

IOWA BIRD LIFE



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The Iowa Ornithologists' Union was organized at Ames, Iowa, February 28, 1923, for the study and protection of native birds and to promote fraternal relations among Iowa bird students.

The central design of the Union's official seal is the American Goldfinch, designated State Bird of Iowa in 1933.

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 CONVENTION

IOU Fall Meeting Sept. 18 & 19, 1976

MARY LOU PETERSEN
235 McClellan Blvd.
DAVENPORT, IOWA

Iowa Ornithologists' Union members gathered in Cedar Rapids at the Ramada Inn for the fall meeting. Following the evening meal, Beryl Layton of Cedar Rapids introduced President Dorothy Brunner of Nora Springs who introduced the head table and then asked for new members and guests to stand and introduce themselves. President Brunner spoke briefly about her summer on the North Shore of Lake Superior and how the berries have already been consumed by the birds and how she hoped Cedar Rapids would have many migrating birds. Lucile Liljedahl of Marion announced that the field trips would leave at 6:30 a.m. from the K-Mart parking lot. President Brunner asked for other announcements and Lillian Serbousek of Cedar Rapids discussed breakfast plans. Vice-president George Crossley of Dubuque announced that the program would be a slide fest and the group took a short break while the slides were gathered and preparations made for the fest.

Floy Ericson of Cedar Rapids showed pictures of an Audubon Society field trip to see eagles along the Mississippi River. President Brunner followed with slides taken on the North Shore which included a delightful fox and a deer. Betty Jones of Des Moines continued with slides of Lake Panorama during a February blizzard and the birds that came to her feeders. Hazel Diggs of Hamburg presented the group with slides of some of their birds of prey and a lovely Painted Bunting. The excellent photography of Carl Kurtz of St. Anthony followed which included a badger and a juvenile Borad-winged Hawk. Dennis Corbin, a new I.O.U. member from Davenport, showed slides of birds and flowers. Paul Foot presented the group with a "Footograph Featurette" of Cedar Rapids which gave the non-Cedar Rapids resident a feel for the surrounding area. The featurette concluded the evening program during which the spirit of the group remained good though the Inn blew hot and cold.

The noon meal on Sunday followed the morning field trips which in some instances were dampened by a welcomed rain. President Brunner thanked the Audubon Naturalists' Society of Cedar Rapids for hosting the meeting. She read a letter from Bob Nicholson about Mrs. Barrett's death. The president announced a Conservation Workshop at Strawberry Point on September 29 through October 1. She also announced the appointment of the Nominating Committee which consists of Keith Layont of Oskaloosa, Lucile Liljedahl and Patricia Layton of Cedar Rapids. The Auditing Committee will be Dick Mooney, Woodward Brown and Betty Jones all of Des Moines. The president announced that the spring meeting will be in Marshalltown on May 14 and 15, 1977. Pete Petersen of Davenport compiled the bird list.

Bird Census -- September 19, 1976 -- Pied-billed Grebe, Great Blue Heron,

Green Heron, Mallard, Wood Duck, Sharp-shinned Hawk, Red-tailed Hawk, Broad-winged Hawk, Rough-legged Hawk, Northern Harrier, Osprey, Bob-White, Ring-necked Pheasant, Sora, American Coot, Killdeer, American Golden Plover, Common Snipe, Spotted Sandpiper, Pectoral Sandpiper, Baird's Sandpiper, Buff-breasted Sandpiper, Hudsonian Godwit (DB), Ring-billed Gull, Caspian Tern, Rock Dove, Mourning Dove, Black-billed Cuckoo, Great Horned Owl, Barred Owl, Whip-poor-will, Common Nighthawk, Chimney Swift, Belted Kingfisher, Common Flicker, Red-bellied Woodpecker, Red-headed Woodpecker, Hairy Woodpecker, Downy Woodpecker, Empidonax (sp), Eastern Pewee, Horned Lark, Tree Swallow, Bank Swallow, Rough-winged Swallow, Barn Swallow, Cliff Swallow, Blue Jay, Common Crow, Black-capped Chickadee, Tufted Titmouse, White-breasted Nuthatch, House Wren, Marsh Wren, Gray Catbird, Brown Thrasher, American Robin, Eastern Bluebird, Ruby-crowned Kinglet, Cedar Waxwing, Starling, Vireo (sp), Black-and-white Warbler, Tennessee Warbler, Nashville Warbler, Yellow-rumped Warbler, Northern Waterthrush, Common Yellowthroat, Wilson's Warbler, House Sparrow, Eastern Meadowlark, Red-winged Blackbird, Common Grackle, Brown-headed Cowbird, Northern Cardinal, Rose-breasted Grosbeak, Indigo Bunting, Evening Grosbeak (CC), American Goldfinch, Rufous-sided Towhee, Grasshopper Sparrow, Chipping Sparrow, Field Sparrow, White-throated Sparrow, Lincoln's Sparrow, Swamp Sparrow, Song Sparrow -- 88 species. Seen Saturday, September 18 only, Cooper's Hawk, American Kestrel and Eastern Phoebe.

Registered Attendance -- 67

AMES -- Barney Cook.

CEDAR RAPIDS -- Mr. and Mrs. Norman Erickson, Paul Foot, Dr. and Mrs. Karl Goellner, Mr. and Mrs. Beryl Layton, Sara Millikin, Roberta Oppendahl, Lillian Serbousek, Barbara Shaffer, Myra Willis.

CENTERVILLE -- Mr. and Mrs. Willis Heusinkveld.

CHEROKEE -- Mr. and Mrs. Dick Bierman.

DAVENPORT -- Mr. and Mrs. Dennis Corbin, Mr. and Mrs. Peter C. Petersen.

DECORAH -- Darwin Koenig.

DES MOINES -- Mr. and Mrs. Woodward Brown, Mrs. Ruth Buckles, Mrs. Bette Jones, Mr. and Mrs. Dick Mooney, Barbara Ray.

DUBUQUE -- George and Frieda Crossley, Clifford O. Johnson.

HAMBURG -- Mr. and Mrs. Fitzhugh Diggs.

IOWA CITY -- Mr. and Mrs. Matt Glasson, Mr. and Mrs. Erwin Graber and Joel, Dr. Nick Halmi, Mr. and Mrs. Calvin Knights, Mr. and Mrs. Micheal Newlon, Tom Staudt.

LOWDEN -- Jeanette Ruprecht.

MARION -- Lucile Liljedahl.

MARSHALLTOWN -- Mrs. Marlys Huff, Mr. and Mrs. Ed Savage.

NORA SPRINGS -- Dorothy Brunner.

OSKALOOSA -- Mr. and Mrs. Keith Layton.

OTTUMWA -- Mr. and Mrs. Donald Johnson.

REINBECK -- Mrs. Evelyn Ehlers.

ROCK VALLEY -- Mrs. Hilda Miller.

SAINT ANTHONY -- Carl Kurtz.

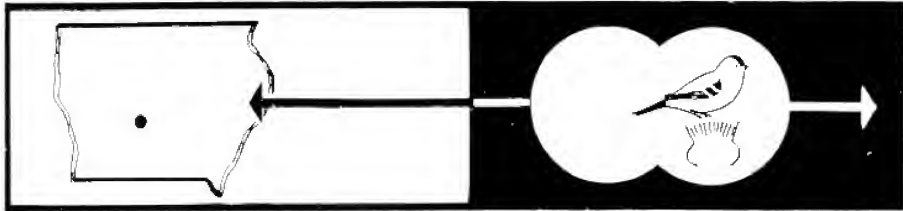
SPRINGVILLE -- Mr. and Mrs. Stanley Atherton.

WESTFIELD -- Larry Farmer.

WHEATLAND -- C. Esther Copp, Mr. and Mrs. Charles Wentworth.

EVANSTON, ILLINOIS -- Margaret Murley.

OAK PARK, ILLINOIS -- Mr. and Mrs. Hank Zaletel.



Birding Areas of Iowa - Guthrie County

GENE BURNS
Jamaica, Iowa

Guthrie County is in the west-central part of Iowa. It has a total of 596 square miles, or 381,440 acres. Guthrie Center, the county seat, is about 54 miles west of Des Moines. Air miles from Guthrie Center to the following points in Iowa are: Council Bluffs 75, Sioux City 115, Ames 55, Des Moines 50, Dubuque 205, and Davenport 205. The county is primarily rural. The principal crops are corn, oats, soybeans, and hay. It has 116,540 acres of pasture land, 23,181 acres of woodland, plus many farm ponds, rivers, streams, marshes, sloughs, and many miles of railroad right-of-way.

Guthrie County is an excellent area to come to for a good day's birding, or for a weekend, or longer, with very fine camping facilities at Springbrook State Park. From Guthrie Center, Springbrook State Park is located 7 miles north on highway 25, then 1 mile east on highway 384, to the park entrance. The Iowa Conservation Commission has a large bird display at their educational center at the southeast side of the park. Dormitory facilities are available with advance reservations, and also cabins are available on the west edge of the park. Many hiking trails throughout the park area are also available to the hiking birder. A boat and canoe ramp into the Middle Raccoon River is located at the southwest edge of the park for those who like to bird from a boat. Roads throughout Guthrie County are pavement, black-top, and gravel, with very few dirt roads, thus making travel in all areas accessible in any weather condition.

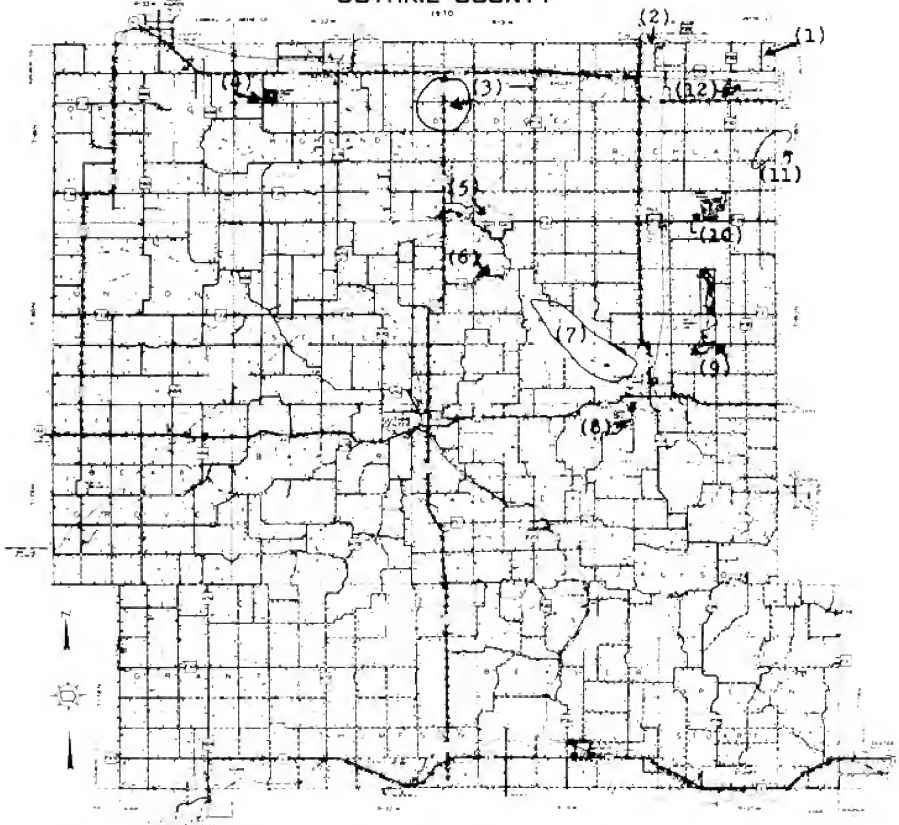
The following is a list of several good areas which are within a few minutes drive from Springbrook State Park. Each area produces the usual sightings of the various birds in season and during migration, plus some of which the writer considers as an extra "treat".

1. From Jamaica to 1 mile East and $\frac{1}{2}$ mile north to the Greenbrier Creek area, where sightings have been made of the Green Heron, Wood Duck, Red-shouldered Hawk, Merlin, both cuckoos, Common Screech Owl, Great Horned Owl, Barred Owl, Common Nighthawk, Tufted Titmouse, Philadelphia Vireo, Cerulean Warbler, both meadowlarks, and Lapland Longspur.

2. From Herndon, then $\frac{1}{2}$ mile west, 1 mile north, and $\frac{1}{4}$ mile west to the bridge area again along the Greenbrier Creek. Here a variety of swallows may be seen. Also you can expect to see the Bobolink, and possibly the Upland Sandpiper. The Loggerhead Shrike is also in this area.

3. From Bagley, then 2 miles west on highway 141, and then south and west for a 4 square mile area where there is a lot of pastureland. Here both meadowlarks can be seen, the Bobwhite, and many sparrows. The Northern Mockingbird was sighted at Bagley this summer.

GUTHRIE COUNTY



4. From Bayard, then 2 miles west on highway 141, and 1 mile south to McCord's Pond, where during migration, it seems like a miniature "Forney's Lake", with many, many thousands of ducks and geese on the water and on the hillsides, including the White-fronted Goose, Green-winged Teal, Northern Shovelers, Canvasback, and Redheads in great numbers. This is an excellent place in season for some good waterfowl observation. Also this area has American Robins the year around with a good food supply for them and other winter birds. In the town of Bayard, 2 Northern Mockingbirds were sighted this summer.

5. From Yale, then 5 miles west on highway 271 to Springbrook State Park, where the writer has sighted 10 to 15 Turkey Vultures at once, the various hawks including the Red-shouldered, and Bald Eagle, Blue-gray Gnatcatcher, Ruby-throated Hummingbird, and Lark Sparrow. In winter the Horned Lark and Lapland Longspur can be seen in great numbers on your way to the park.

6. From Yale again, to 4 miles west on highway 271, and then 2 miles south, and $\frac{1}{2}$ mile west to the Fansler Bridge area, which is the top end of Lake Panorama and this area is fed by the Middle Raccoon River. Here during season I have seen a variety of ducks and geese, many shore birds, a variety of hawks including the Osprey, the Common Loon, and Double-crested Cormorant.

7. From Panora, then $\frac{1}{2}$ mile North on highway 4, to the East edge of Lake Panorama, and then around the Lake which will take one again over the Fansler bridge at the north end, and where the writer has observed the Willet, various owls and hawks.

8. At the southwest edge of Panora in the Lennon Mill area, there are various woodpeckers and sparrows. This is the bottom end of the Lake Panorama area.

9. From Panora, then 2 miles north on highway 4, then 2 miles east on gravel road to the south end of Bays Branch. By going around and also driving across the middle of this area, observations have been made of the Sharp-shinned Hawk, Northern Harriers, Rough-legged Hawk, Great Blue Herons, many ducks and geese, Great Horned Owl, Short-eared Owl, Long-eared Owl, grebes, Common Redpoll, a great variety of shore birds, including both of the yellowlegs. Sandhill Cranes have been seen at Bays Branch also.

10. From Yale, then 2 miles East to the Lakin Slough area, where sightings have been made of the American White Pelican (over 50 this year), Great Blue Heron (over 40 this year), many Yellow-headed Blackbirds, both the Black and Yellow-crowned Night Herons, American Avocet, Great Egrets, thousands of Tree Swallows, Ruddy Turnstone, American Golden Plover, Dunlin, a great variety of shore birds, sparrows and warblers, the Whistling Swan, Caspian Tern, plus many other gulls and terns. A great birding area.

11. Long Pond, which is just 1 mile north and $\frac{1}{2}$ mile east of Lakin Slough, where the Great Egret, Great Blue Herons, ducks and geese, plus a variety of sparrows have been seen.

12. The back yard of the writer, where 76 species have been observed so far this year, including the American Kestrel, both cuckoos, Great-Horned Owl, Common Screech Owl, Belted Kingfisher, both nuthatches, both kinglets, Cedar Waxwing, Red-eyed Vireo, Cape May Warbler (1), American Redstart, Scarlet Tanager, Pine Siskin, Evening Grosbeak, and Orchard Oriole. This is another great place to bird. The Snow Bunting has been seen along the railroad right-of-way at the east edge of Jamaica. And during my past many years of birding I have seen the Snowy Owl on many occasions.

The remaining part of Guthrie County produces a great variety of birds also, but these above areas are excellent for a day or a weekend, and the areas to be covered are within quick driving distance from Springbrook State Park.

The American Woodcock in Iowa

DARWIN KOENIG

Decorah, Iowa

One of the more interesting and unusual members of the avifauna of Iowa is the American Woodcock, *Philohela minor*. It is also one of the least known of Iowa's regular summer bird residents due to its shy and retiring habits. It is largely nocturnal in its activities and is seldom seen until it suddenly flies out, from underfoot, from its daytime retreat.

Although a member of the family Scolopacidae (snipes and sandpipers) the Woodcock has forsaken the usual shorebird haunts of beaches and mudflats in favor of moist timbered areas.

The Woodcock is primarily a bird of the early stages of forest succession and the brushy edges of timber and timber openings. Areas of timber containing stands of aspen or birch from 10 to 30 feet tall often indicate good Woodcock habitat, as do alder thickets. However, soil type may be equally or even more important than plant type in determining where a Woodcock spends the summer (see Marshall, 1958).

Three general habitat requirements must be met before Woodcock will stay in an area to breed. (1) An open grassy area interspersed with low shrubby or woody growth to be used as a "singing" ground for courtship and breeding activities. The size of the singing ground may vary from about 100 square feet to several thousand square feet and seems to be correlated to the height of the trees surrounding the site, i.e., the taller the surrounding trees the greater the area of the singing ground (Sheldon, 1967). Only the male Woodcock establishes a singing ground. (2) A wooded area to be used as a diurnal rest area and nesting area. Preferably the wooded area should be in an early stage of succession, although the edges and openings of mature deciduous or mixed forests and even young coniferous plantings serve just as well. (3) A wet, boggy, or moist area to be used as a feeding area. As the Woodcock feeds primarily on earthworms, which it extracts from the soil by probing with its long bill, the soil must be moist enough to permit such probing. Although the percentage of earthworms in the diet may decrease in the late summer-early fall period, due to the dryer conditions, the Woodcock will seldom be found for long in an area in which it cannot obtain a sufficient quantity of earthworms. The above areas are usually found adjacent to one another, however, they are sometimes separated from each other, usually by less than $\frac{1}{4}$ of a mile.

During a dry summer or fall the Woodcock may be found in some rather unusual places such as gardens, lawns, orchards, and cultivated fields. Cornfields, especially, may be used in late summer and during fall migration (Bent, 1962 and Sheldon, 1967).

NESTING

Published records of Woodcock nest or brood sighting in Iowa are few and usually incomplete. Neither Anderson (1907), DuMont (1933), nor Pettingill (1946) mention specific nest or brood sightings in Iowa. One of the earliest recorded nestings was on March 21, in Van Buren County (Savage, *Ia. Ornith.* 3:2, p. 27) and the latest was on June 20 in Scott County (Hodges, 1949). Neither Savage nor Hodges gave any details on their findings. I assume that a nest with eggs was found in both instances. Other nesting dates are May 4, Allamakee County nest with four eggs; three of which hatched within a week. May 5, Allamakee County nest with four eggs; three eggs eventually hatched (Jim Ripple, pers. comm.). May 31, Blackhawk County nest with four eggs, all of which hatched June 1 (Faulkner, 1931). May 10, Buchanan County nest with one egg and one newly-hatched chick (Becker, *IBL* 36:4, p. 104). A brood of four chicks was observed in Lucas County on April 18 (Hlavka, 1969) and another brood of four young was found on April 28 (Kent, *IBL* 38:2, p. 58). Klonglan et al (in press) reported thirty nest or brood sightings in Iowa during the period 1961 to 1973, however, the date and number of eggs or young was not given.

Counties in which nests or broods have been recorded include: Allamakee, Boone, Buchanan, Cedar, Clayton, Davis, Floyd, Greene, Guthrie, Hardin, Harrison, Jackson, Lee, Linn, Lucas, Marion, Mitchell, Monona, Muscatine, Pottawattamie, Scott, Story, Van Buren, Wapello, Washington, Winneshiek, and Blackhawk. The Woodcock can probably be found nesting anywhere in Iowa that contains suitable habitat.

MIGRATION

The Woodcock is an early migrant in spring, usually arriving around the third week of March. The spring arrival date may vary considerably from year to year depending on the weather conditions. The earliest spring record is March 5, 1974 at Davenport (Petersen, *IBL* 44:2, p. 44). I believe that any Woodcock seen after the middle of April can be considered a summer resident, unless it has been an unusually late spring.

Fall migration starts in October with the majority of the Woodcock passing through from mid-October to mid-November. As with the spring migration, the fall migration is highly variable from year to year depending on the weather. The Woodcock will usually stay until the ground is frozen before heading southward. November 27 is the latest fall date (Bent, 1962).

The principle wintering ground of the Woodcock is in Louisiana, but some may winter as far north as the southern parts of Missouri, Illinois, Indiana, and Ohio. Woodcock have been reported on midwest Christmas Bird Counts as far north as Madison, Wisconsin, Chicago, Illinois, and Coloma, Michigan. Bent (1962) listed a December 30 record of the Woodcock at Ogdon, Iowa. Although this is the only winter record for Iowa, it would not be too surprising to find Woodcock wintering occasionally in the southeastern corner of the state, particularly during a mild winter.

PAST HISTORY

Anderson (1907) wrote that J. A. Allen reported the Woodcock as common in western Iowa and F. V. Hayden considered it as not uncommon near Council Bluffs. Anderson also quoted Peck, who reported that the Woodcock was "once a common migrant in most wooded localities, now quite scarce. Bred frequently in Black Hawk County twenty years ago, where on April evenings in low woods the peculiar nesting call was no uncommon sound." Anderson further stated that "At the present time all observers who reported consider the Woodcock as a rare summer resident in Iowa." Trippe (1873:204) stated "I have never seen the Woodcock in southern Iowa, though assured that it occurs very rarely." Keyes and Williams (1893:122) listed the Woodcock as a "Summer resident; not uncommon in the woodland bordering the water-courses." Bartsch (1897:53) wrote that "This bird (Woodcock) breeds at Decorah where I obtained several young. They were also met with in many other places farther down the stream and seemed to be fairly abundant . . ." Wilson (1906) called the Woodcock a rare summer resident in Scott County. F. W. Calkins, in a letter to Stephens (1943), stated that a few Woodcock were found in the larger groves along the Little Sioux River in Clay County. Fenton (1923) considered the Woodcock rare in Floyd County and doubted that it nested there. Pierce (1930) termed the Woodcock a "Rare visitant" in Buchanan County. DuMont (1933) wrote that the Woodcock is "A decidedly uncommon migrant and a rare summer resident in the eastern half of the state . . . The writer has been unable to find any recent records of this species from the western third of the state." The Iowa Distributional Check-List, published in the December, 1954 issue of *IBL*, listed the Woodcock as a summer resident in northeast and east-central Iowa and as a migrant in northwest, central, south-central, and southeast Iowa.

PRESENT STATUS

Grant (1963) considered the Woodcock as an uncommon migrant and summer resident in the east, rare in the west. Brown (1971) termed the Woodcock an "Uncommon breeding bird." Most of the Woodcock reports come from the eastern third and the southern third of Iowa; which have the most woodlands. The northeast corner of Iowa has the highest breeding populations; Woodcock being fairly

common in suitable habitat. North-central and northwest Iowa have the fewest numbers. While the Woodcock is uncommon in Iowa compared to populations in some of the northeastern states, it is undoubtedly more numerous and widespread in the state than is currently reported. One has to know its habitat and make a serious effort to find the Woodcock due to its secretive habits.

The author wishes to acknowledge the assistance of Lee Gladfelter, Jack McSweeney and Jim Ripple, Iowa Cons. Dept., and Dr. William Green and Doug Mullen, U. S. Dept. of Interior, Upper Miss. Fish & Wildlife Refuge.

LITERATURE CITED

- Anderson, R. M.
1907 **The Birds of Iowa**. Proc. of the Davenport Academy of Sciences, Davenport, Iowa. 11:125-417.
- Bartsch, Paul
1897 Summer Birds of the Oneota Valley. *Iowa Ornithologist* 3:51-61.
- Brent, A. C.
1962 **Life Histories of N. A. Shorebirds**. Dover Publications, New York. 420 pp.
- Brown, Woodward H.
1971 **An Annotated List of the Birds of Iowa**. Iowa State Jour. of Science 45(3):387-469.
- DuMont, Philip
1933 **A Revised List of the Birds of Iowa**. U. of Iowa Studies in Natural History. U. of Iowa, Iowa City. 171 pp.
- Faulkner, George
1931 *I.B.L.* 1(2):23.
- Fenton, Carroll Lane
1923-1924 The Birds of Floyd County, Iowa. *Am. Midland Naturalist*, reprint pages 1-61.
- Grant, Martin
1963 A Checklist of Iowa Birds, Coded with Status Symbols. *I. B. L.* 33(3): 50-62
- Hlavka, Gene
1969 Woodcock Singing-Ground Survey. **Quarterly Biology Reports**, Fish and Game Division -- Biology Section. Iowa Cons. Dept. 21(2):10.
- Hodges, James
1949 Notes on the Bird Life in the Mississippi Valley. **Proc. of the Iowa Acad. of Science** 56:343-345.
- Keyes, Charles R., and H. S. Williams
1889 **A Preliminary Annotated Catalogue of the Birds of Iowa**. Proc. of the Davenport Acad. of Sciences 5:113-161.
- Marshall, William H.
1958 Woodcock Singing Grounds at the Cloquet Experimental Forest, 1947-1956. **Trans. N. Amer. Wildl. Conf.** pp. 296-305.
- Pettingill, O.S., Jr.
1936 **The American Woodcock *Philohela minor* (Gmelin)**. Mem. Boston Soc. Nat. History 9:169-391.
- Pierce, Fred J.
1930 Birds of Buchanan County, Iowa. *Wilson Bull.* 42:253-285.
- Sheldon, W. G.
1967 **The Book of the American Woodcock**. U. of Mass. Press, Amherst, Mass. 227 pp.
- Stephens, T. C.
1943 Early Bird Life in Clay County, Iowa. *I. B. L.* 13(4):65.

Trippe, T. Martin

1873 Notes on the Birds of Southern Iowa. *Proc. of the Boston Soc. of Nat. Hist.*
15:229-242.

Wilson, Burtis H.

1906 The Birds of Scott County, Iowa. *Wilson Bull.* 18:1-11.

Moving On

HAZEL & FITZHUGH DIGGS

Hamburg, Iowa

BANK SWALLOWS

It was not until 1968 that we felt we could take time to leave our farming and chores to band birds short distances from home. So, early in June 1968, we banded 198 Bank Swallows in Hamubrg, Iowa which is one mile north of the Missouri-Iowa state line, where a vertical side was left on the side of a loess mound bank when dirt was removed for city uses.

These loess mounds or bluffs are formed of a fine-grained, yellowish-brown, extremely fertile loam deposited by the wind. Thus, the texture of this soil is conducive to nest building by swallows, as they prefer sandbanks, gravel pits and road cuts as a habitat for their nesting habits. They use burrows dug by both sexes, using feet and bill, at the rate of 5" per day. The birds kick the earth out of the tunnels as they dig the 2½' to where both sexes build their nests of straw and grass stems to which feathers are added after incubating starts. Both the female and male incubate the eggs and feed the young.

We also banded 64 Bank Swallows in a cut one mile west of Rock Port, Missouri, leading to a small cemetery on the top of the bluff. June 23, 1969 we discovered a colony of swallows had moved in at Charity Lake, located about half way between Hamburg and Rock Port. Charity is a manmade lake, so named due to the donated construction by concerned citizens in conjunction with the Missouri Department of Conservation. After the lake construction was finished some vertical banks were left along the road that led around the lake, which made ideal nesting sites for the swallows. We set up nets and banded 59 adult birds.

Banding at intervals throughout the summer we found we had banded by late summer 117 Bank Swallows at Hamubrg, 90 at Rock Port and 633 at Charity along with 8 Cliff Swallows, 46 Rough-winged Swallows and one Tree Swallow at Charity.

When so many birds wearing bands put on at Hamburg and Rock Port in 1968 and early '69 began showing up at Charity in mid-summer that year we decided it was time we checked these sites to find out why. At Rock Port we noted many House Sparrows, from the commercial cattle feedlots near by, were claiming the Bank Swallows' holes for their nestings. In other cavities some two-legged animal had placed beer cans and set off firecrackers in others. At the Hamburg site someone had unloaded his stable litter under the nesting bank. Cats and dogs were prowling and climbing the banks, and to cap it all a family of 5 children (preacher's kids) had been running the town unsupervised and had been clawing the young birds out of the cavities. When concerned neighbors caught them with a coffee can full of nestling Swallows they called their father only to have him say, "I didn't know they were worth anything". Such narrow-mindedness! How exasperating! Consequently the bank cuts at both sites were completely void of bird activity the ensuing year and to the present day the swallows have not returned. Can you blame them for "Moving On" to other areas?

It seemed the swallows were going to enjoy a peaceful year at Charity in 1970

because they were there in April in goodly numbers. However, the last of May when we stopped to watch them we found many distressed adults flying about carrying food. We were sickened at what we saw as we approached the nesting bank. Some imbecile had placed road rock in 35 of the cavity entrances. Parent birds were trapped inside and couldn't get out to get food and in others we could hear the young begging for food while the adults on the outside couldn't get past the barricades to feed the insects they were carrying to their young. We hurriedly remove the rock, using a three foot corn knife and a net pole to reach the uppermost cavities, thus freeing the imprisoned adults that they might resume their normal family life as well as letting those on the outside enter with their food. This wasn't the work of children as there was only one set of shoe tracks and they were larger than most men's shoes would make. Prints were left high on the bank where he had tried to get to the higher cavities. When we reported this incident to our conservation officer he told us he had found the same predicament a week or ten days before and had removed the rock, as we had. Each time we must have arrived on the scene just in time to prevent too many casualties, as we banded 570 birds there that year. The following year found a small colony of first year breeding birds there, as our banding study proved. We banded only 68 Bank Swallows all summer. The older breeders had decided it was time to be "Moving On" to safer locations and no swallows have nested there since.

ROUGH-WINGED SWALLOWS

Rough-winged Swallows build in a variety of open areas, as stream banks, irrigation ditches and often in with a colony of Bank Swallows, as our banding study showed at Charity Lake. Their nests at the end of the cavities are bulky and made of twigs, bark, roots etc lined with fine grass. No feathers are used. Before the Bank Swallows arrived at Charity we banded 10 Rough-winged Swallows. Their numbers fluctuated much as those of the Bank Swallows. In 1969 - 64 birds, 1970 - 28, 1971 - 20, 1972 - 25. In 1973 after the road rock incident they built in another bank across the lake and were using the tunnels freely when four Shenandoah, Iowa kids carved their names and addresses all over the bank-side right through the area where the Rough-winged Swallows were nesting. Consequently, they, too, were forced to be "Moving On" to another site.

CLIFF SWALLOWS

Since we had banded 8 Cliff Swallows at Charity in 1969, we knew there had to be a colony nearby. We finally located Cliffs in the air over a marshy place six miles west of Rock Port. Looking under a culvert there we discovered two rows of mud nests numbering near a hundred. These nests were gourd-shaped, made of mud pellets much like a Barn Swallow's nest but the entrance hole was on upper-part of the side of the nests. These birds line their nests with grasses, hair and feathers.

In 1970 we banded 18 birds. Since swallows have keen eyesight, they saw the nets and flew up over and around them. The next summer we devised a new technique by placing our upright net down close to the water and covered over the top from the top of the culvert down to the upright net. We had better luck and netted some we had banded the year before, so we knew it was the same colony. Our records show the following -- 1969 - 8, 1970 - 18, 1971 - 51, 1972 - 82, 1973 - 30, 1974 - 48.

June 14, 1975, we noticed many swallows going in and out the culvert as we drove by. On the 28th when we went down we saw no activity anywhere. Checking we found all the nests completely gone. We began to speculate as to what had happened. No person could get to the nests because of the depth of the water and

the tangled marsh growth. As we drove the area and checked under every bridge and culvert we came upon a few birds sitting on a light wire near a cement bridge 1 mile east and 1½ miles south of the original site. There was one nest which appeared to be completed resting upon a protruding bolt in the cement structure. We stretched a net across the water hoping to get some birds wearing the previous year's bands of the original colony. Of the 15 birds we netted we found no bands. As darkness was approaching we left hoping to return later to see if more nests had been built. In a couple of weeks no more had. The bridge was so constructed that it appeared no suitable places for securing nests were available.

Why did this colony disburse so later in the season? Were these 15 birds a remnant of the original colony? That has puzzled us. June 18 we had a bad storm with many freakish twisters over the county. In the area of this cuivert some twisters were reported along with the damage they had done. We are wondering if these nests and thier contents might not have been completely sucked out by these strong tornadic winds because no evidence of nests or dead birds was found in the vicinity.

Later in the year we located a colony 50 miles away, as yet unmolested. We are wondering how long before man's senseless behavior causes this colony to be "Moving On".

Obituary

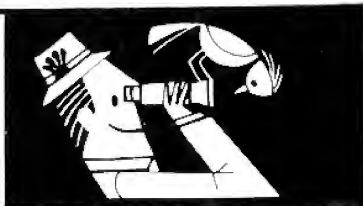
Mrs. Walter W. Barrett, 84, 2105 S. Cecelia St., died Saturday, July 3, in her home of a sudden illness. Burial was at Logan Park cemetery.

The former Helen G. Giehm was born June 27, 1892, in Sioux City. She was graduated from Sioux City High School in 1910 and from Morningside College in 1914. She taught in schools at Gowrie, Sac City, Hartley and Missouri Valley, Iowa, before returning to Sioux City in 1923. She taught at West Junior High School until 1926 when she married Walter W. Barrett. He died Dec. 12, 1958.

She was a member of the Morningside Presbyterian Church, Chapter DX of the PEO Sisterhood and the Rose Croix Chapter of the Order of the Eastern Star. She was a 63-year member of the Sioux City Bird Club, Iowa Ornithologists' Union, Roundtable Club and Republican Women's Club.

Survivors include a daughter, Mrs. C. E. Casselman of Stevensville, Mont., and a sister, Mrs. Gretchen Firdlund of Lindsay, Calif.

FIELD REPORTS



The species marked with * are on the Blue List of the AOU (Am. Birds 29:1067, 1976), on the Iowa Blue List (IBL XLV:95, 1975), and/or on Dean Roosa's list of endangered, threatened or declining species in Iowa (IBL XLVI:40, 1976).

The weather in June and July was warmer than average and quite dry until mid-July, when the SE portion of the state received substantial relief, while the drought continued elsewhere. The Coralville Reservoir (CoR) was maintained at a steady level, and isolated ponds dried up, so suitable habitat for migrating shorebirds was much reduced.

Old Business. The sighting of 2 ibises on April 19 S of Lake View was belatedly reported. Two similar birds were seen in the same location in May 1975 (fide GJ). Documentation is convincing for *Plegadis* sp., but assignment to the species White-faced Ibis is only inferential. A male Greater Scaup was seen under ideal conditions on the CoR March 10 (NH). Is this species as rare in Iowa as the records suggest (IBL XLII:59, 1972), or (which seems more likely) does it occur with some regularity but is overlooked amidst the legions of Lesser Scaups traversing the state?

Pelicans, Cormorants. An * Am. White Pelican was seen at L. Easter, 2 near Rockwell City (no date, fide WB), and 4 were at L. Red Rock (RR) from July 20 on (GB). The bird which overwintered on the Mississippi stayed on through the summer (PP). The only Double-crested Cormorant reported was seen by Jean Braley at Riverton on August 15 (fide RP).

Hérons, Bitterns. Great Blue Herons were on the CoR until mid-June and from July 10 on, with a maximum of 53 on August 8 (MN). No nesting occurred at RR; the peak number in the 3rd week of July was 37. At L. Rathburn, 28 nests contained over 100 young, and another active rookery was evidently present (CS). Flocks of Great Egrets (13-15) were on June 24 and July 26 near Lansing (DK), 4 birds at Davenport August 4, and singles at the CoR June 5 and at Cone Marsh July 18 (NHX). Two Snowy Egrets were observed on the Coralville Refuge May 22 (LS). * Black-crowned Night Herons were reported only from Rush and Trumbull Lakes, where they were "fairly common" (JD). No Yellow-crowned Night Herons were found at Des Moines (WB). Least Bitterns were reported from Cone Marsh, June 26 (MN, RD), Cardinal Marsh June 22, July 2 (DK), and Forney L. (RS), but no * Am. Bitterns were seen.

Ducks. "Ducks unlimited" was not the motto for the season. Breeding Mallards were few statewide. Blue-winged Teal were also down. Wood Ducks were numerous at RR, but young were few (GB); their paucity at the CoR contrasted with their abundance in 1975. Scattered individuals of other common species were seen, but no * Canvasback.

Raptors. No evidence of any major comeback. Turkey Vultures (25-30) had two roosts at RR and a nest with 2 young (GB). No reports of * accipiter sightings were received. Most observers saw few Red-tails; 2 nests were at RR (GB) and 3 at Ankeny (DM). The beleaguered * Red-shoulder is apparently making his last stand as a breeding bird in NE Iowa. Koenig saw a total of 4 immatures and 1 adult in his area. Broad-winged Hawks nested near Webster City (RM); 2 were seen in Yellow River Forest (YRF) June-July (DK). A fall migrant appeared in Iowa City August 27 (NH). The only Bald Eagle seen was an adult at lock and Dam 9 on August 8 (DK). * N. Harriers were scarce: 1 (date?) at Webster City (RM) and another August 22 on the CoR (NH). The lone * Osprey observed was on June 16 at Cardinal Marsh (DK). * Am. Kestrels were seen in small numbers by several observers, Koenig leading the pack with 7; nesting was considered probable in Davenport (PP), and 2 pairs fledged young in Ankeny (DM).

Gallinaceous Birds. Good numbers of Ring-necked Pheasants in the NW sections of the State (RM) are encouraging, in view of the devastation of this population by the 1975 blizzard. Two broods of Wild Turkeys were discovered in YRF on August 2 (DK).

Rails, Shorebirds. The generally lackluster early fall migration reflected habitat restrictions. Except as noted, numbers were relatively small and species routine. Several summer sightings of Am. Woodcock were reported. Com. Snipe were late in departing at Hayden Prairie (2 on June 13, DK) and early in returning (1 on August 5 at Cardinal Marsh, DK; 1 on August 21 at Davenport, PP). The

*Upland Sandpiper stated a mini-Renaissance of sorts: 2 near Delmar, June 10 (PP); 2 outside W. Liberty June 10 on (MN, RD et al.), 4 different locations in the NE in June (DK), in NW counties (date?) (RM), several at Booneville (G. Armstrong fide WB), 3 near Toddville, June 12 (LS), and, above all, a congregation of nesting birds, adults and young numbering 20 on July 4, in a pasture terrorized by a mean bull, near Seymour (CS). Baird's Sandpipers were seen: 4 on July 17 on the CoR (MN) and 2 at Davenport (PP). Both dowitchers occurred at the CoR from July 15 on, with Short-billed (calling) predominant (NH). Stilt Sandpipers were fairly regular at the CoR after July 11, up to 6 at a time. Small groups of W. Sandpiper were first seen by Newlon on July 25. An Am. Avocet appeared on the CoR, July 29 (NH), and 2 were encountered near Belle Plaine August 11 (TSt). Small groups of Wilson's Phalarope (up to 4) were seen at the CoR since July 15 (MN, NH). Allan Mueller (fide PP) found a N. Phalarope at Davenport on August 15.

Gulls, Terns. Twelve Ring-billed Gulls spent all summer at RR; their number was 40-60 at LeClaire by August 15 (PP). Three Forester's Terns were seen on the CoR July 11 (MN), and were "scarce" in Des Moines (WB). A *Little Tern on July 10 at the CoR (NH) was surprising in view of the early date and the 250-mile distance from its nearest known breeding sites. Two Capiian Terns at RR on July 20 (GB) were early. South-bound Black Terns at RR, Des Moines and the CoR, not exceeding 10 per group, still outnumbered the few spring migrants.

Cuckoos. Both species were reported in small to moderate numbers from numerous locations: the ratio of *Yellow-billed to *Black-billed was estimated at 4:1 in Fremont Co. (RS) and closer to even near Iowa City; the Black-billed, however, was not at all seen by several observers.

Owls to Kingfishers. Three Common Screech Owls fledged in Pleasantville; nearby, 3 Whip-poor-wills were heard (GB). The drift of the reports on *Com. Nighthawks suggests that their low number in Iowa City was not an isolated phenomenon; after August 20, however, migrating flocks of fair size appeared (NH). Chimney Swifts were scarce in some places, matching the decline in chimneys (GB). Most correspondents deplored the paucity or even lack of Ruby-throated Hummingbirds; since August 20, however, migrants have invaded Iowa City (RD, NH). The consensus is that Belted Kingfishers summer in Iowa in much reduced numbers.

Woodpeckers. Mated Pileated Woodpeckers were noted June 5-6 NW of Decorah (GJ), and was seen at the W end of the CoR August 8 (MN). *Red-headed Woodpeckers were generally considered plentiful, but a marked shortage of immatures (NH, MN) throws doubt on their nesting success. Nine Yellow-bellied Sapsuckers, including a pair feeding young in June, were located during the summer in NE counties (DK). The reports throw no light on the status of the *Hairy Woodpecker in Iowa.

Flycatchers. W. Kingbirds nested in W. Des Moines (WB), and were considered "fairly common breeders" in the SW (RS). The scattered reports of E. Phoebes suggest marked reduction or disappearance as a breeding bird. Four Yellow-bellied Flycatchers were banded August 15-21 (PP). Acadina Flycatchers sang into early June in Palisades-Kepler S.P. (MN et al.) and were common in suitable habitat in the NE, where least Flycatchers also occurred in 6 locations during June and July (DK). The status of the Traill's complex in Iowa calls for study: a bird seen and heard at Cone Marsh June 26 (MN, RD) was an Alder, not the expected breeder, the Willow. An Olive-sided Flycatcher at YRF on August 6 was early (DK).

Swallows. Nothing suggests that the *Cliff Swallow is in trouble in Iowa: nests were active in known breeding sites at Iowa City and RR, and migration over the CoR was massive after the third week of July. This seems to have been a good year for *Purple Martins too, with many young seen near Iowa City (NH).

Titmice to Wrens. Reports on *Tufted Titmouse were too few to illuminate its status. Red-breasted Nuthatches showed up early: August 16 in YRF (DK) and at Davenport (PP). A Winter Wren sang in YRF June 30 and July 1 (DK). The mild winter favored the Carolina Wren, which was reported from as far north as Allamakee Co. (DK). Fred Kent no longer has a monopoly on them in Iowa City! Sedge Wrens abounded in the tall grass around the CoR in late July-early August (MN,NH).

Mimics to Shrikes. Mockingbirds were regular in June near Wildcat Den (PP), 3 pairs were found (GB), 1 was seen near Hills on June 13, and 2 near Williamsburg June 20 (MN,RD). The Wood Thrush, which retreated years ago to the deep woods, sang all summer in the backyard (FK). Singing Veeries were heard June 13 at Palisades-Kepler S.P. (TSh), and 1 was banded August 16 (PP). Young E. Bluebirds were seen in several locations, Dean Mosman taking the honors with a count of 55. Koenig saw numerous Blue-gray Gnatcatchers, and located 2 nests. The decline of the *Loggerhead Shrike was (temporarily?) reversed: 4 of 3 nestings were successful (GB); it was called a "fairly common breeder" in Fremont Co. (RS); 3 different individuals were seen miles apart in the Iowa City vicinity during June 13-July 8 (MN, TSh,NH); and "Mant" in Taylor Co. (RP).

Vireos. Two White-eyed Vireos were seen along L. Rathbun early in June (CS), and an immature with brown eyes but yellow eye ring and lores in Iowa City on August 27 (NH). Reports of *Bell's Vireos came from all over the state: 3 on June 5 in Fremont Co., 2 on July 4 at Kent Park, 5 at Williams Prairie, August 1, with young begging for food (MN), 2 singing vigorously August 26-27 in Iowa City (NH), 1 in June-July at YRF (DK), and singing in Chichaqua S.P. (DM). Several people commented that other vireos were down. A Philadelphia banded on August 16 (PP) was the earliest ever.

Warblers. The humdrum spring migration ended on an upbeat when several uncommon or rare species showed up late in May. Unaided by cold fronts, the fall migrants arrived in the NE counties around August 6, in Davenport by August 15, and Iowa City after August 20. A pair of Prothonotary Warblers apparently nested near Cou Falls (Tom Kent et al.). At L. Rathbun, 9 singing males were counted and 2 nests found (CS). A nest of the Blue-winged Warbler was seen in YRF on June 21; their number was believed reduced (DK). There were many reports of *Yellow Warblers, all referring to small numbers. This species certainly is no longer an "abundant breeding bird" in Iowa, and even the adjective "common" may no longer apply. Cape Mays was seen May 12 and 23 (MN). Ceruleans sang well into June at Palisades-Kepler S.P. (Tom Kent et al.), and more than 12 were counted during the summer in Allamakee Co. (DK). The accidental Yellow-throated was seen on May 31 in Ledges S.P. by a former Floridian (JD). A Pine Warbler occurred in Iowa City on August 27 (NH). Louisiana Waterthrushes were heard and seen at Palisades-Kepler S.P. on May 22 (MN) and on June 5 at Wau-bonsie S.P. (RS). Kentucky Warblers in the NE were thought down from 1975 (DK). Newlon saw a Connecticut in Palisades on May 22, and one was banded August 23 (PP). Four Mourning Warblers one morning (May 22) were exceptional (MN). Several *Chats were seen in May in and around Iowa City; 1 was still around on June 12, but responded poorly to its taped song; 1 stayed in YRF during June and July (DK). The rare Hooded Warbler was near Cou Falls on May 27

(MN), and seen and heard in YRF on July 6-7; a pair was observed at Effigy Mounds on August 7 (DK). Unusual numbers of Canadas occurred in August: Petersen banded 7 between the 15th and 23rd, and De Coster saw 6. One observer thought *Am. Redstarts were down (PK); they were the commonest warbler at Palisades in late May and into early June, and also common in the NE (DK).

Icterids to Sparrows. Yellow-headed Blackbirds had colonies near Ankeny (DM) and at Cone Marsh, where they were re-established last year. The colony just outside Iowa City first observed in 1975 was doomed as the cattails yielded to corn. Orchard Orioles were reported by several observers, the 15 in Fremont Co. on June 5 being the largest number. A male in early July sang (NH), but the only nesting documented was for Pleasantville, and some felt that even some of the July birds were early migrants (GB). There were no positive and some negative reports on Scarlet Tanagers. Summer Tanagers were seen: 1 in Cedar Rapids on May 18 (LS), and 2 at Waubonsie S.P. June 5 (RS). Eight Blue Grosbeaks in W. Iowa (date, location not given, RM) were unexpected only as to number, and "only 1" was seen by Ruth Phipps, but the male found on June 5 near Iowa City (NH) was apparently a first for the area, and one of a handful on record for E. Iowa. Pine Siskins visited a feeder as late as July 5 (JF), and it was believed that nesting may have occurred at Cherokee, where 2 adults and 3 immatures frequented a bird bath June 10-30 (DB). The reports throw no clear light on the status of the *Rufous-sided Towhee. Savannah Sparrows were abundant in late July and August around the CoR. No clear picture was obtained concerning the the *Grasshopper Sparrow. No *Henslow's Sparrows were reported: repeated search of a field S of the CoR in which they sang in 1974 and 1975 proved futile. Observers from SW Iowa (RS,MS) considered Vesper Sparrows, with evidence of breeding, newsworthy. Lark Sparrows were unusually numerous around Iowa City and drew similar comments from other localities too. Five Swamp Sparrows in Cardinal Marsh during June-July (DK) may have been breeding.

Contributors: Dick Bierman, Cherokee; Gladys Black, Pleasantville; Woodward Brown, Des Moines; Rich De Coster, Iowa City; James Dinsmore, Ames; James Fuller, Iowa City; Nicholas Halmi, Iowa City; Glenn Jones, Rockwell City; Fred Kent, Iowa City; Pearl Knopp, Marble Rock; Darwin Koenig, Decorah; Dean Mosman, Ankeny; Ron Muilenburg, Webster City; Mike Newlon, Iowa City; Peter Petersen, Davenport; Ruth Phipps, Shenandoah; Charlotte Scott, Seymour; Lillian Serbousek, Cedar Rapids; Tom Shires, Iowa City; Ross Silcock, Malvern; Marie Spars, Shenandoah; Tom Staudt, Iowa City. Nicholas S. Halmi, R. No. 6, Iowa City, Iowa 52240.

Field Reports Schedule

So as to co-ordinate reporting of bird sightings to **IBL** and **American Birds**, the following schedule will be adopted, starting with the Fall 1976 season.

Reports to Field Reports	
Editor due by:	
Season	June 7
Spring (April 1 - May 31)	August 7
Summer (June 1 - July 31)	December 7
Fall (August 1 - November 30)	February 15 for I.B.L.
Winter (December 1 - March 31)	April 7 for Am. Birds only

Please submit only significant observations for species reports, in checklist order, with dates, numbers of birds seen, exact locations and reasons why the

record is deemed important. Information on Blue List species (IBL XLV:95, 1975; *American Birds* 29:1067, 1976) is specifically sought. For extraordinary observations, documentation on a form identical with or similar to that used by Vernon Kleen, Middlewestern Prairie Region editor of *American Birds*, is essential. Copies of the form, as needed, can be obtained from the Editorial Office. "A request for documentation is not an affront, but an effort to perpetuate a record by obtaining concrete evidence which may be permanently preserved for all to examine" (V. Kleen). N. S. HALMI, M.D., Field Reports Editor, R No. 6, IOWA CITY, IOWA 52240.

General Notes

Late Bobolink Record -- On 25 November 1975, while John M. Pitlo was hunting north of Zearing in Story County, his dog pointed on a small, weak brownish bird unable to fly. Pitlo did not recognize the bird and as it died shortly, he brought it to me where I identified it as an male (testis 1 x 1 mm) Bobolink (*Dolichonyx oryzivorus*). It weighed 26.5 g, had light fat, and an ossified skull. On the day it was found, Story County was experiencing temperatures below freezing with some snow and strong winds. A search of Iowa records fails to reveal any Bobolink close to being as late as this individual. Brown (*Iowa State J. Sci.* 45:449, 1971) gives 15 October 1954 as the latest fall date in Iowa for this species. JAMES J. DINSMORE, Department of Animal Ecology, Iowa State University, Ames.

A look at Iowa banding -- Each year *Iowa Bird Life* runs an Iowa Bird Banding Summary listing the Iowa banders and numbers of birds banded by each. There is also a list of species banded with the number of each. The reports give the impression that Iowa banding is more of a game than an effort to enlarge our knowledge of the birds' migratory movements, and the main objective is volume. Else, why band 178 Black-capped Chickadees, 64 Tufted Titmice, 31 White-breasted Nuthatches, and 179 Downy Woodpeckers in 1975, to say nothing of House Sparrows and Starlings. Noting is said about returns. With an average of more than 20,000 birds banded yearly for over 20 years, there should be some returns. If there are none, this would certainly be the height of futility. What has been learned about the migratory movements of these species, or what information regarding their longevity has been gained? Why not summarize the returns? WOODWARD H. BROWN, 432 Tonawanda Dr., Des Moines 50312.

Evening Grosbeak Invasion -- From late October 1975 to May 14, 1976, Iowans enjoyed an unprecedented invasion of Evening Grosbeaks. A few came in October but November and December were peak months. Following my story and request for reports in the December 14, 1975, Sunday Des Moines Register, I received reports from 273 observers by January 1, 1976. The final count was 406 observers in 95 of Iowa's 99 counties with the late date of May 14 from Pete Oliver in Coon Rapids.

Flock size varied; 79 percent numbered 1 to 10 birds, 19 percent 11 to 30 birds with 1 flock of 50 and 1 of 100 reported. Very few observers reported the birds staying all winter. Most reported them present for a few days.

Canadian Evening Grosbeak authority Doris E. Speirs of Pickering, Ontario, wrote that all Evening Grosbeaks left Ontario in late October. Usually big flocks remain there throughout the winter. The exodus, she said, was due to food shortage including the complete failure of the Manitoba Maple (Box Elder) seed crop. GLADYS B. BLACK, 608 DeWitt St., Pleasantville.



American Woodcock Nesting at Weise Slough -- On April 4, 1976, at Weise Slough in Muscatine County, I found an American Woodcock hen and a complete clutch of four eggs. She flushed from the nest when I was about ten feet away. She flew about one hundred and fifty yards away into some thick brush. I looked down and saw four creamy colored eggs spotted with brown. I photographed the eggs and marked the nest for easier identification then left for the day. I went to the nest April 10, 17, and 19. Each time, she sat tight while I photographed her and flew only when I got less than two feet away. She flew only about fifty yards as if crippled. Then the hen would land and flap her wings to draw me away from the eggs. On April 21, I checked the nest for the fifth time. When I got too close, she fluttered away and landed. I checked the nest, all four eggs were pipped, they would hatch that night.

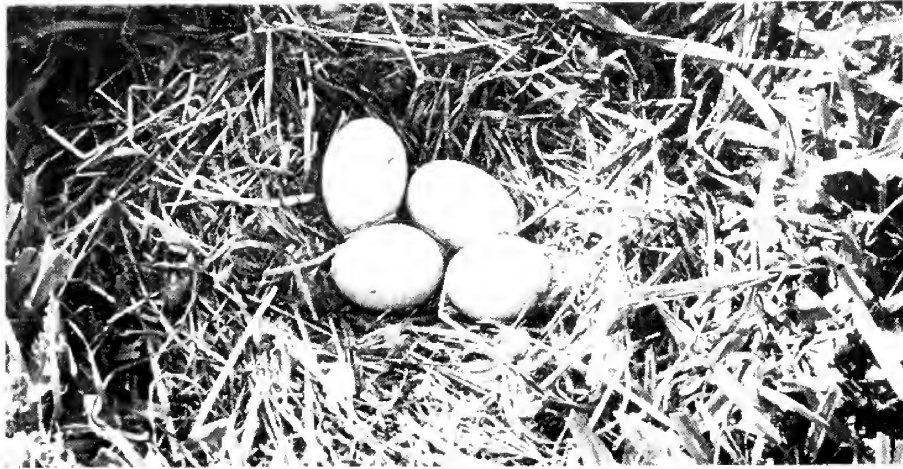
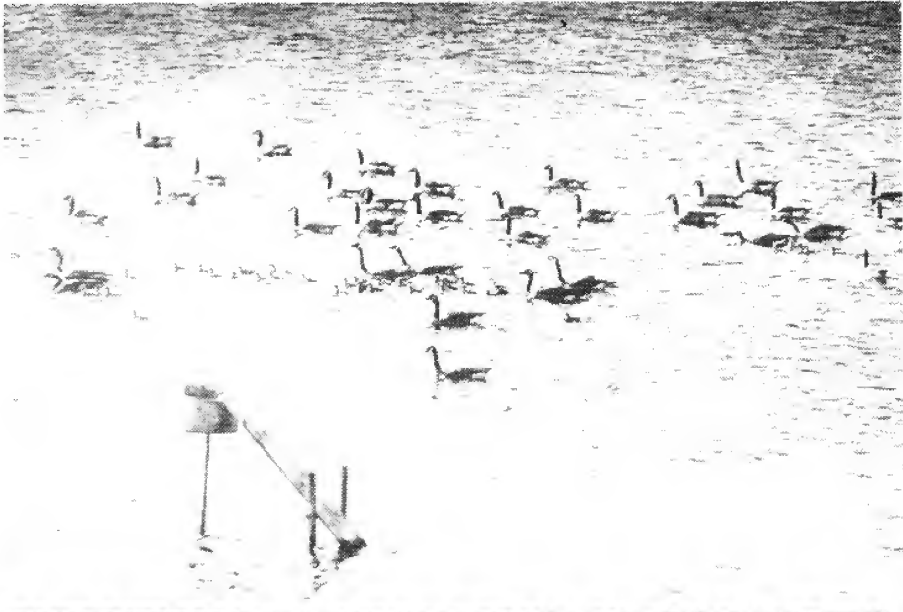
On that same night I witnessed the song-flight of the male. His dance is extremely fascinating. While sitting on the ground, in an open area, he grunts then 'peents' like a nighthawk. He calls about six times then takes off again, flying close to the ground. As he picks up speed his wings begin to whistle. The male then flies up and around in a circle about two hundred feet high. About half way down he twitters while landing, then sings some more.

I got up early the next day (April 22), and arrived at the nest area before sunrise and waited for more light. When the light was sufficient for photographing, I went to the nest. While getting more photographs of the hen she flew only forty yards away. The chicks were hatched and dry. They were very weak, almost lifeless. They were completely camouflaged with dark and light brown striped bodies. Their bills were about an inch long. They were fascinating.

I went back to the nest for the last time on April 26. I had hoped to see the hen and chicks but I found the nest empty except for the egg shells. -- LARRY KOCK, R.R. No. 1, Stockton, Iowa.

Birds and People -- When Dorothy Brunner informed Edy that the Minnesota Ornithologist Union was to have their meeting May 31-June 1st at Blue-Mound Inn near Luverne, Minn., we decided to attend and make it a birding trip to spend first, a few days in northwest Iowa -- perhaps in the Spirit Lake areas, before going on to Minnesota.

An early start on Monday, May 26th from Newton enabled us to have our camper set up about the middle of the afternoon in Marble Beach State Park on the west shore of Big Spirit Lake surrounded by wonderful bird habitat. That night we were lulled to sleep by the hooting of a pair of Barred Owls feeding their young in a tree nearby and awakened by a Northern Cardinal singing to his mate while other birds joined in to serenade us while we were enjoying breakfast!



We visited the marshes in the area. I was reminded of my boyhood days when Yellow-headed Blackbirds among the cattails and reeds were a common sight. Many species of swallows skimmed the waters for insects while a good number of Eastern Kingbirds and even more Purple Martin were busy keeping down the grasshopper and mosquito population. I intend to make separate list of birds and waterfowl seen. Here again I am greatly concerned, because even in this so called ideal habitat our waterfowl and land-bird population is very low.

But I am also happy to write that there is something being done in this area to restore some of the things that were lost. Not far from our campground is Kettelson Hogsback Conservation Station where one of it's projects, in charge of Gary Wee, is the hatching of the Canada Goose by the natural brooding of the birds themselves. The day of our visit was cold and windy. We did not want to disturb the

birds so they would leave their nests -- causing the eggs and young to chill so we took only a few pictures thru the wire mesh showing some of the adults with their goslings. Nests like the one with attached ramp are used by the geese while others build their nests in the tall grasses around the man-made lake, as shown in photo.

The cold wet day still had a happy ending! - The Lynn Wallaces of Spirit Lake came to our camper to visit us. A truly delightful couple -- although busy with large farm operations they still find time to study and enjoy nature and wildlife around them. Mrs. Wallace (Lorraine) is a free-lance writer, member of I.O.U. We hope they will find time to attend our meetings in the near future.

On Thursday we camped at Blue-Mound State Park north of Luverne, Minn. Soon after arrival a member of the Minnesota Ornithologist Union who arrived the day before, informed me that he had spotted two Blue Grosbeaks. We noticed that the Blue Grosbeaks later were causing a great bit of attention in the Park. We had a good look at them but I did not get close enough photo. A pair of Western Kingbirds had a nest not far from our camper. Members of M.O.U. arrived from many parts of their state to camp in the park. Also on Saturday morning a chartered bus load of people arrived at the Inn from the Twin-City area.

Dorothy Brunner, our I.O.U. President, and Hilda Miller, Edy and I were really happy to attend this meeting. A smorgasbord was served. After Edy and I filled our plates we looked for a table when a couple at a table for four beckoned us to join them. To our surprise, they were Mr. and Mrs. Charles Flugum, Albert Lea -- he is the author of *Birding From A Tractor Seat*.

It was a special treat to visit with this down to earth man who from childhood learned to identify birds by their song -- a rare feat. The contents of the book are the original notes dating from January 1952 to 1964 written for an Albert Lea publication free. They are Mr. Flugum's recollections, in part, of boyhood years when northern Iowa and southern Minnesota still had many unplowed meadows and undrained marshes providing habitat for wildlife.

There is a feeling of nostalgia that touches me when I read this book, with memories of the meadows and sloughs of my parents' farm in Borwn County, Minn. Speaking of memories -- Edy and I now have fond memories of seven days of bird-watching and meeting fellow-birdwatchers from another state who are also deeply concerned about the preservation of our birds. -- HERB DOROW, 1200 S. 8th Ave. E., Newton.

Correction -- One Day Bald Eagle Count -- February 14, 1976.

Locations	Adults	Immatures	Not	
			Aged	Total
Lock & Dam 3 thru Lock & Dam 11	255	62	8	335
Lock & Dam 12 to Lock & Dam 22	227	56	6	289
From Lock & Dam 22 to below St. Louis	95	55	9	169
Illinois River	<u>126</u>	<u>85</u>	<u>18</u>	<u>229</u>
River Totals	703	258	51	1022
River percentages	73.2 %	26.8 %		
Illinois Wildlife Refuges	11	18	3	32
Kentucky	<u>15</u>	<u>16</u>	<u>9</u>	<u>46</u>
Totals	729	296	63	1084
Percentages	71 %	29 %		

BOOK REVIEWS



Audubon, The Kentucky Years -- L. Clark Keating -- The University Press of Kentucky, Lexington -- 93 p., -- 1976 -- \$3.95.

Audubon came to Kentucky while in his early twenties where he became a storekeeper and developed his interest in birds. He left the state in 1819 a failure in business and forced to seek a livelihood from his artistic skills. His meeting with Alexander Wilson in Louisville sparked his interest in a career of artistic and scientific endeavor. ed.

The Bird Finder's Three Year Notebook -- Paul S. Eriksson -- Paul S. Eriksson, Inc., New York -- 375 p. -- 1976 -- spiralbound -- \$7.95.

This book is essentially a three year diary with six lines for each day's notations. It also includes some brief footnotes of information on birds and an alphabetical "life list" index. The value of this book is not apparent to this reviewer. ed.

A Guide to the Birds of Panama -- Robert S. Ridgely -- Princeton University Press, Princeton, N. J. -- 394 p., 32 color plates, 2 maps, many line drawings -- 1976 -- \$15.00.

Despite the recent publication of several guides which describe part of its avifauna the need for a field guide covering all of Panama's nearly nine hundred bird species has remained great. The preservation of lush forest in accessible areas of the Canal Zone in contrast to the remote nature of the prime areas in the remainder of Panama and much of Latin America enhance the attractiveness of the area for birders. John A. Gwynne, Jr's fine plates illustrate about seventy percent of the species with many of those omitted being North American migrants. Ridgely's species accounts provide a complete but concise description, comment on similar-species, status, distribution and complete range. The introduction summarizes the history of bird related activities and the climate, migration, local movements, conservation, bird finding locations, likely nearby species and general plan of the book. This is fine, reasonably priced field guide containing a wealth of data and useful from Mexico to Venezuela. ed.

Breeding Birds of Britain and Ireland -- John Parslow -- T. & A. D. Poyser, Ltd., Berkhamsted, Hertfordshire, U.K. -- 272 p., many maps, tables and line drawings -- 1975 -- \$10.95.

Parslow covers the status and distribution of all birds known to have bred in Britain and Ireland since 1800. In addition, the species accounts note fluctuations which have occurred and give their cause wherever these are known. Also reviewed are extinctions, colonizations and general changes in breeding populations. Despite habitat destruction the total number of birds has increased. Americans can learn much from this book which could be applied here. ed.

Ducks of Britain and Europe -- M. A. Ogilvie -- T. & A. D. Poyser, Ltd.,

Berkhamsted, Hertfordshire, U.K. -- 206 p., 15 color plates, many line drawings and maps -- 1975 -- \$14.50.

Here is a complete treatment of European ducks including descriptions of all plumages, voice, breeding distribution and status, migrations, general behavior and ecology. The author concludes with a chapter on the present threats to ducks and their habitats and the conservation measures being taken to combat these threats. ed.

Avian Biology Volume 5 -- Edited by Donald S. Farmer and James R. King -- Academic Press, Inc., New York -- 588 p., many charts, tables and line drawings -- 1975 -- \$49.50.

This very advanced and detailed treatment will probably be considered the definitive inventory of information and research problems in avian biology for the years ahead. This volume probably contains material of more interest to the active field student than any of the preceding four volumes. Included are mechanics of flight, migration, rhythms, vocal behavior, incubation and zoogeography. Each section was prepared by an expert in the field and the reference lists are exhaustive. The price is high but the book is too comprehensive to be a best seller. This is the place to look for the "last word". ed.

Handbook of North American Birds, Vols. 2 & 3, Waterfowl -- Edited by Ralph S. Palmer -- Yale University Press, New Haven, Conn. -- 532 & 567 p., 4 color plates each volume, line drawings and maps -- \$30.00 each volume -- 1976.

After fourteen years the handbook series is finally being continued. The first volume covered Loons through Flamingoes (L.B.L. Vol. 32, p. 62-3) and has been reprinted. The chief aim of the series is to provide diagnostic information on each species, covering both sexes and all ages and seasons. The coverage includes description, geographic variation, hybrids, field identification, voice, habitat, distribution, migration, banding status, reproduction, survival, habits and food. Since waterfowl are the most studied of all avian families there is an enormous amount of information available on them. These two volumes, encyclopedic in nature, synthesize a great deal of this knowledge. These volumes, as well as the entire series, seem to be destined to become one of the standard references for bird students. ed.

The Birds of John Burroughs -- Edited by Jack Klingerman -- Hawthorn Books, New York -- 240 p., 10 black-and-white illustrations -- 1976 -- paperbound -- \$3.95.

John Burroughs wrote essays on birds in many of his books. Here they are brought together for the bird enthusiast under one cover. Burroughs was not a scientist but a keenly observant naturalist with a sound philosophy. For some fine reading about our avian friends this book is to be recommended. ed.

Where to go Birdwatching in Canada -- David Stirling and Jim Woodford -- Hancock House Publishers, 3215 Island View Rd., Saanichton, B. C., Canada -- 128 p., 80 black-and-white photographs, 4 maps -- 1975 -- paperbound -- \$3.95.

This very general little book would serve as a good introductory book for a novice birder, particularly in Canada. It briefly covers; in addition to bird watching locations; field guides, checklists, binoculars, photography, sound recording, bird clubs, Canadian Christmas Bird Count locations, regional bird checklists and references. The birdwatching information is very brief and the reader is frequently referred to another source. If you want to identify potential birding locations you will get some help but if you expect detailed bird finding information you will be greatly disappointed. ed.

Birds of British Columbia -- David Hancock and David Sterling and **Birds of**

Ontario and Quebec -- David Hancock and James Woodford -- Hancock House Publishers, Saanichton, B. C., Canada -- 68 p., many color and black-and-white photographs (each book) -- 1973 -- \$6.50 each volume.

These two books are part of a series of four in the Birds of Canada Series, the others covering the Atlantic Provinces and Alberta, Saskatchewan and Manitoba. The first fifty-two pages of all four books are identical and provide a well illustrated introduction to birds for the novice. They provide some basic biology, photo coverage with very brief text, birdwatching information and several misidentifications of the groups of birds. The final sixteen pages cover the smaller geographic area mentioned in the title by biotic areas and includes references, Christmas Count data and a checklist. Much of the information and many of the photographs in these books are found in *Where to go Birdwatching in Canada*, ed.

Adventure With Eagles -- David Hancock -- Hancock House Publishers, Saanichton, B. C., Canada -- 40 p., 60 black-and-white photographs -- 1970 -- \$2.00 paperbound -- \$4.95 -- hardbound.

David Hancock has banded and studied Bald Eagles in British Columbia for many years. This booklet recounts some of his experiences and gives a good insight into the life history of these birds and their conflicts with man. He closes with a strong plea for greater protection for Bald Eagles, particularly in Canada. ed.

Hawks, Falcons, and Falconry -- Frank L. Beebe -- Hancock House Publishers, Saanichton, B. C., Canada -- 320 p. -- many black-and-white illustrations -- 1976 -- \$24.95.

The author blends a book about falconry with a general coverage of hawks and falcons in this volume. The book deals with the general biology of raptors, details the life history and biology of falconry species and falconry concluding with a section on the endangered Peregrine Falcon. The text is well written and the bibliography is broken down by species. Some fine photographs and the author's excellent drawings round out the book. The layout features wide margins which have contributed to the high price for a book without color illustrations. ed.

Prairie Birds in Color -- Doug Gilroy -- Western Producer Prairie Books, Saskatoon, Saskatchewan, Canada -- 116 p., 154 color illustrations -- 1976 -- paperbound -- \$9.95, hardbound -- \$14.95.

This little book is chiefly a collection of color photographs of nearly one hundred prairie birds. Most are of good to fine quality but a few are poor. Each photograph is accompanied by a brief text concerning the habits and habitats of the species pictured along with some photographic suggestions. The order followed is somewhat checklist order but several species are well out of place. Most photographs are telphoto shots but some are of nests and hand held birds. ed.

Birds of the Antarctic and Sub-Antarctic -- George E. Watson -- American Geophysical Union, Washington, D. C. -- 350 p., 11 color plates, many maps and line drawings -- 1975 -- \$15.00.

This field guide provides a wealth of information on a fairly small number of species, some of which are little known. The species accounts detail identification points, habits, voice, display, food, reproduction, molt, predation, mortality, habitat and distribution, often including a map. The color plates illustrate about seventy species and are small but still with good detail. Most birds are shown in all plumages. Since the land area is limited in the region covered, the various islands are described and tables indicate the species found on each. The book is "standard" field guide size and would certainly be a must for anyone visiting the southern regions. ed.

The Fowles of Heaven or History of Birds -- Edward Topsell -- University of Texas Press, Austin, Texas -- 368 p., 61 color plates -- 1972 -- \$15.00.

Written in about 1600, this work, never before printed, was the first portion of a work on the birds of the world. It is a compendium of information, both factual and fanciful, about each bird whose name commenced with A, B, and C. The writing was done before the study of bird lore became a true scientific study. Reproduced pages representing the three hands which appear in the manuscript, varicant readings, notes, catalog of proper names and a bibliography are all included. ed.

The Web of Adaptation -- Bird Studies in the American Tropics -- David W. Snow -- Quadrangle-The New York Times Book Co., New York -- 176 p., many line drawings -- 1976 -- \$8.95.

David Snow has written many scientific papers covering his research into tropical avifauna over the last twenty years. This book draws upon this field work and that of many others to present in general terms some basic behavior patterns. The book deals primarily with various cotingas also covers the strange Oilbird. In conclusion Dr. Snow makes a powerful argument for the need to preserve this fast dwindling complex environment, the tropical rainforest. ed.

Watching Birds -- James Fisher and Jim Flegg -- T. & A. D. Poyser, Ltd., Berkhamsted, Hertfordshire, U.K. (Poyser books available from Ralph Curtis Publishing, 2633 Adams St., Hollywood, Florida) -- 160 p., 14 black-and-white photographs, many maps and line drawings -- 1974 -- \$8.95.

James Fisher led the way to the popularization of bird watching in England much as Roger Peterson did in the U.S. First published in 1941, this book was reprinted and revised by Fisher as new knowledge was gained. Now Jim Flegg has provided the update and has managed to retain the character of the original. The most similar U.S. book is perhaps Hickey's *Guide to Bird Watching*. If you want to widen your birding horizons and learn of the bird watching advances in England this book will serve well. ed.

Seventy Years of Birdwatching -- H. G. Alexander -- T. & A. D. Poyser, Ltd., Berkhamsted, Hertfordshire, U. K. -- 264 p., 14 black-and-white photographs, many maps and line drawings -- 1974 -- \$11.95.

Alexander and his brother contributed much to ornithology. His somewhat autobiographical book serves as a history of the development of modern ornithology written by an involved witness. He has met or corresponded with most of the leading ornithologists of this century. ed.

Flamingos -- Janet Kear and Nicole Duplaix -- Hall, editors -- T. & A. D. Poyser, Ltd., Berkhamsted, Hertfordshire, U.K. -- 246 p., 7 color plates, many black-and-white photographs, maps, line drawings and charts -- 1975 -- \$21.50.

This book is the result of a Flamingo symposium held at the Wildfowl Trust at Slimbridge in 1973. Twenty-nine Flamingo authorities and researchers contributed to this detailed treatment of these unique birds. About half the text is concerned with populations in the wild, the remainder relating to zoo birds. ed.

Membership Roll 1976

Year of joining follows the name. All cities in Iowa unless otherwise noted. Report any errors to the treasurer. Membership class designations: (HC) - Honorary Charter; (H) - Honorary; (L) - Life; (C) - Contributing; (S) - Supporting; (R) - Regular; (J) - Junior; (F) - Family.

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- Alton, Mr. and Mrs. Everett D. (F), Route 2, Iowa City, 52240, 1976, 1969
- Alton, Mrs. Florence, P.O. Box 405, Oelwein, 50662, 1959
- Armstrong, Eugene, (S), Booneville, 50038, 1972
- Atherton, Mrs. Stanley, Route 2, Springville, 52336, 1956
- Augustine, Mrs. Frank, 3435 Wakonda Ct., Des Moines, 50321, 1967
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- Autenrieth, Horace, Route 1, Paullina, 51045, 1976
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- Barnett, Leslie W. (J), Box 86 A, Route 2, Lamoni, 50240, 1975
- Barrows, Harry S. (S), 1044 24th St., West Des Moines, 50265, 1972
- Bartlett, Wesley H., 122 S. Ridgley St., Algona, 50511, 1935
- Bassarear, Pauline E., 809 W. 4th St., Apt. 2, Waterloo, 50702, 1962
- Baumgarten, J. L., 2709 Bidwell Road, Muscatine, 52761, 1975
- Bell, Harlan L., (S), Box 541, Vinton, 52349, 1962
- Bell, Mrs. Robert (S), Route 2, Russell, 50238, 1976
- Bendorf, Carl J., Box 203, Amana, 52203, 1976
- Benson, Richard, 2526 Middle Road, Davenport, 52803, 1974
- Bierman, Mr. and Mrs. Dick (F), 909 $\frac{1}{2}$ West Bluff, Cherokee, 51012, 1975, 1976
- Binsfeld, Mrs. A. J. (Ruth), 1712 - 48th St., Des Moines, 50310, 1940
- Black, Mrs. Gladys B., 608 DeWitt St., Pleasantville, 50225, 1957
- Blevins, Lewis D., 2003 E. 12th St., Davenport, 52803, 1959
- Blome, Dr. Glenn, 224 E. Pennsylvania Ave., Ottumwa, 52501, 1973
- Boller, William A., 1524 Milton Ave., Des Moines 50316, 1965
- Bottleman, Mrs. John, Route 2, Northwood, 50459, 1954
- Bowles, John B., Dept. Biology, Central College, Pella, 50219, 1963
- Boyd, Brad (J), Route 1, Box 149A, Bettendorf, 52722, 1976
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- Boyington, Mrs. Allen, Route 2, Dows, 50071, 1976
- Braley, Mrs. F. M., 209 W. Thomas, Shendandoah, 51601, 1956
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- Brewer, Marion, Route 2, Cherokee, 51012, 1976
- Briggs, Shirley A., 7605 Honeywell Lane, Bethesda, Md., 20014, 1964
- Britten, Wayne, 508 N. 17th St. Place, Marshalltown, 50158, 1965
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- Brown, Willard J., 3714 Kingman Blvd., Des Moines, 50311, 1970
- Brown, Mr. and Mrs. Woodward H. (S. & R), 432 Tonawanda Drive, Des Moines, 50312, 1947, 1958
- Brunner, Dorothy A., Route 2, Nora Springs, 50458, 1946
- Bryant, Bob, Route 1, Box 155, Calamus, 52729, 1976
- Bryant, Eldon J., Route 1, Box 104, Akron, 51001, 1962
- Buckles, Mrs. Ruth E., 5612 Urbandale Ave., Des Moines, 50310, 1973

- Burk, Dr. Myrle M. (C), 1511 E. Gresham Road, Waterloo, 50701, 1949
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- Carter, Dennis L., Route 4, Box 292H, Luray, Va. 22835, 1947
- Christensen, Dr. and Mrs. Everett (F), P.O. Box 1096, Thomasville, Ga. 31792, 1951 & 1976
- Clatterbaugh, Mrs. Marjorie, 427 Elmridge Ave., Iowa City, 52240, 1976
- Clausen, Delmar, 53 Stony Way, Mason City, 50401, 1976
- Collins, Berneda (Mrs. Lloyd), 1003 Clay St., Cedar Falls, 50613, 1967
- Coltman, Mrs. U. C. (Edith) (S), 304 S. Wayne St., Manchester, 52057, 1976
- Conway, Edward J., Dougherty, 50433, 1976
- Cook, Barnett C., 517 Hayward Avenue, Ames, 50010, 1973
- Copp, C. Esther, Box 36, Wheatland, 52777, 1933
- Corbin, Mr. and Mrs. Dennis & family (F), 2716 Wooddale, Davenport, 52801, 1976
- Cortelyou, R. G., 5109 Underwood Ave., Omaha, Neb., 68132, 1960
- Corwin, Mrs. Eleanor, 104, E. 9th, Cedar Falls, 50613, 1943
- Corzette, Virgil, 1220 Chester, Otumwa, 52501, 1973
- Crane, Frederick, G., 338 29th St., Des Moines, 50312, 1973
- Crawford, Mrs. Carol, 203 Park Street, Grinnell, 50112, 1976
- Crawford, John A., Dept. of Fisheries & Wildlife, Oregon St. Univ., Corvallis, Oregon, 97331, 1971
- Crawford, Richard D., Dept. of Biology, Univ. of North Dakota, Grand Forks, N. D., 58201, 1970
- Crim, Mr. and Mrs. Lloyd (F), No. 8 Emerald Trailer Pk., Ames, 50010, 1976
- Crocker, Mr. and Mrs. Edwin G. (L & L), 720 E. First St., Storm Lake, 50588, 1967 & 1960
- Crossley, Mr. and Mrs. George E., 1890 Wood St., Dubuque, 52001, 1948
- Cullen, Mrs. Vincent P., 2123 Sunnyside Ave., Burlington, 52601, 1973
- Cunningham, Barbara, 402 West Street, Shenandoah, 51601, 1976
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- DeLong, Mrs. W. C., 314 N. Silver, Lamoni, 50140, 1940
- DeLoss, Robert E., 1800 Isabella Street, Sioux City, 51103, 1964
- Dettmann, Kevin (C), Route 1, Box 11, Nemaha, 50567, 1976
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- Dinsmore, James, Dept. of Animal Ecology, Iowa St. U., Ames, 5001, 1976
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- Dorow, Mr. and Mrs. Herb, (S & S), 1200 S. 8th Ave. E., Newton, 50208, 1971
- Duecker, Steve (S), Box 275, Danbury, 51019, 1976
- DuMont, Philip A. (H), 4114 Fessenden St., N.W., Washington, D. C. 20016, 1932
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- Fuller, Mrs. Lowell (Jane), 900 South Garfield Ave., Burlington, 52601, 1962
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- Goellner, Dr. and Mrs. Karl E., 1764 Sherbrook Dr., N.E., Cedar Rapids, 52402, 1956, 1972
- Goodman, Dr. John D., Biology Dept., Anderson Coll., Anderson, Ind., 46011, 1946
- Graesing, Howard F., Route 3, Spirit Lake, 51360, 1975
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- Grimes, Mrs. L. R., Route 5, Marshalltown, 50158, 1960
- Gritton, James H. (S), 2555 Wedgewood Rd., Apt. 1, Des Moines, 50317, 1972
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- Gruwell, Mrs. W. R., 700 Laurel Park Rd., Dubuque, 52001, 1952
- Guthrie, Richard A. (S), Route 2, Woodward, 50276, 1940
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- Hallberg, Mrs. M. K. (L), No. 4 Rock Bluff Road, Ottumwa, 52501, 1959

- Haller, Mr. and Mrs. Harold (F), 225 E. Highland Ave., Ottumwa, 52501, 1974
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- Hampson, James E., Rt. 4, Princeton, Ill., 61356, 1969
- Hanft, Richard (S), Box 116, Nichols, 52766, 1965
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- Hansen, Mrs. Leroy C., 314 McKinley Ave., Lowden, 52255, 1965
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- Hays, Russell M., 533 Home Park Blvd., Waterloo, 50701, 1939
- Hayward, Mrs. Viola (L), P.O. Box 866, Fairfield, 52556, 1954
- Hermansen, Mrs. George, Route 1, Box 58, Corning, 50841, 1967
- Heuer, Ralph J. (S), 2528 Wilkes Ave., Davenport, 52804, 1940
- Heusinkveld, Miss Frances, 35 Petersen Drive, Storm Lake, 50588, 1976
- Heusinkveld, Irwin R., 304 S. Mickley St., Paulina, 51046, 1972
- Heusinkveld, Willis M. and family (F), 840 South Park, Centerville, 52544, 1973
- Hill, Mrs. Grayce Easton, 419 Haynes Ave., Centerville, 52544, 1976
- Hill, Thomas W., 2104 Tremont, Cedar Falls, 50613, 1976
- Hinkley, Mrs. Mabelle, 131 Vincent Road, Waterloo, 50701, 1960
- Hodges, Herbert J. (L), 1810 E. River Dr., Davenport, 52803, 1945
- Holmes, Dennis, Box 160, Lavern, 50560, 1975
- Horak, Janice J., Route 1, Swisher, 52338, 1973
- Hoskins, Mr. and Mrs. Nelson R. and family (F), 508 Shaul Ave., Ottumwa, 52501, 1976
- Hoskinson, Mrs. Helen Hall, 622 North Tenth Street, Clarinda, 51632, 1932
- Hovde, O. M., 603 North Street, Decorah, 52101, 1964
- Huber, Ronald L., 2896 Simpson Street N., Roseville, Mn., 55113, 19764
- Huit, M. L., 626 Brookland Park Drive, Iowa City, 52240, 1963
- Irey, Mrs. Wayne (Margaret), 507 E. 7th St., West Liberty, 52776, 1976
- Jackson, Jerome A. (L), Dept. of Zoology, P.O. Drawer Z, Miss. St. U., Mississippi St., State College, Miss. 39762, 1967
- Jefferson, Mr. and Mrs. Robert L. (F), Route 2, Ames, 50010, 1973, 1976
- Jessen, Robert H., 1919 N.E. 6th Ave., Austin, Mn. 55912, 1973
- Johnson, Ann L. (Mrs. Paul), 605 N. 1st, Indianola, 50125, 1961
- Johnson, Clifford, O., 891 Kaufmann, Dubuque, 52001, 1941
- Johnson, Mr. and Mrs. Donald G., 81 Woodshire Dr., Ottumaw, 52501, 1967
- Johnson, Mr. and Mrs. G. Adolph, 919 Circle Drive, Carlsel, 50047, 1973, 1958
- Johnson, Lynn, P.O. Box 43, McGregor, 52157, 1968
- Johnson, Mr. and Mrs. Thomas N. and family (F), 232 E. Maple, Ottumwa, 52501, 1976
- Jones, Mrs. Bette, 2813 Francis Dr., Des Moines, 50310, 1975
- Kacena, Steven C., 2417 B. Ave. N.E., Cedar Rapids, 52402, 1975
- Kaldenberg, Mrs. Orville, Route 2, Monroe, 50170, 1976
- Kallio, Leonard, 205 E. 6th, Muscatine, 52761, 1976
- Kane, Miss Florence, 302 4th Ave. S.W., Independence, 50644, 1957
- Kaufman, Mrs. Charles L. (Wilma S.), P.O. Box 67, Grinnell, 50112, 1962
- Kaufmann, Gerald, Dept. Biology, Loras Coll, Dubuque, 52001, 1976
- Keck, Dr. Warren N. (L), Box 444, Keosauqua, 52565, 1936
- Keeler, Milford D., 2510 S. Federal, Mason City, 50401, 1957

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99

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- Kent, Fred, 302 Richards St., Iowa City, 52240, 1950
- Kent, Dr. Thomas H., 302 Richards St., Iowa City, 52240, 1959
- Kerr, Mrs. Homer S. (Dorothy), South English, 52335, 1975
- Kielsmeier, Mrs. Martin, Route 2, Hubbard, 50122, 1976
- King, Mrs. Ross E., (L), 3699 Mississippi View, Clinton, 52734, 1961
- Kinnaird, Mrs. W. A. (Edith), (HC), 617 8th St., West Des Moines, 50265, 1932
- Kirchgatter, Harvey and Anna Mae, 801 Kingsley Ave., Waterloo, 50701, 1973
- Kirkendall, Mrs. Stella M., South View Acres, Inc., Apt. 4, Melbourne, 50162, 1974
- Klaas, Erwin E., 05 Science II, Iowa St. U., Ames, 50011, 1976
- Kleen, Vernon M., 2311 Huntington Rd., Springfield, Ill., 62703, 1971
- Kline, Mr. and Mrs. Edwin A. (F), 2025 Friley Road, Ames, 50010, 1976, 1965
- Klopfenstein, Hazel (Mrs. Fred), Route 2, Winfield, 52659, 1965
- Klotzbach, John R. (J), 401 Third Ave., S.W., Independence, 50644, 1973
- Knight, Calvin A., 425 Lee St., Iowa City, 52240, 1975
- Knoop, Pearl, Box 215, Marble Rock, 50653, 1938
- Koenig, Darwin, Route 4, Decorah, 52101, 1964
- Koppen, Mrs. Parker, Box 35, Swaledale, 50477, 1976
- Kurtz, Carl, Route 1, St. Anthony, 50239, 1975
- Lair, Mrs. Owen, 715 W. 4th St., S., Newton, 50208, 1959
- Lande, Joseph O., Box 129, Okoboji, 51355, 1975
- Landenberger, James F., 2031 Northgate Dr., N.E., Cedar Rapids, 52402, 1971
- Lanning, Mrs. Virginia B., 816 W. Second St., Madrid, 50156, 1971
- Layton, Mr. and Mrs. Beryl Layton (F), 1560 Linmar Dr., N.E., Cedar Rapids, 52402, 1970, 1959
- Layton, Mr. and Mrs. Keith D. (F), 201 High Ave. W., Oskaloosa, 52577, 1958, 1962
- Leader, Gordon (J), Pres. Camp, Route 2, Milford, 51351, 1976
- Leopold, Frederic, 111 Clay St., Burlington, 52601, 1963
- Leshner, Fred, 509 Winona St., LaCrosse, Wis. 54601, 1956
- Lewis T. James, Point Reyes Bird Observatory, P.O. Box 321, Bolinas, Cal., 94924, 1960
- Liljedahl, Mrs. Lucile, 1080 30th St, Marion, 52302, 1947
- Lindberg, Richard A., Route 1, Fort Dodge, 50501, 1967
- Lohff, Mrs. Clarence E. (Mildred), Route 1, Holstein, 51025, 1975
- Lowell, Mrs. Margaret, Route 1, Box 346, Fairfield, 52556, 1953
- Lowther, Peter, Museum of Natural History, Univ. of Kansas, Lawrence, Ks., 66045, 1964
- Madsen, Mihcael A., Box 621, Sidney, 51652, 1975
- Maish, James P., Box 351, 312 - 5th St., S.W., State Center, 50247, 1965
- Malmberg, Mrs. Kathryn (Mrs. R.F.), Route 2, Centerville, 52544, 1974
- Mama, Mrs. Sheila J., 111 - 35th St., Des Moines, 50312, 1968
- Mannetter, Mrs. Donald, Route 1, Box 150, Hubbard, 50122, 1975
- Mast, Beth B., 219 E. Kimberly Road, Davenport, 52806, 1976
- Mayberry, Mrs. Earl L., Wyoming, 52362, 1946
- Melcher, Rev. M. C., 540 - 12th Street, Box 353, Marion, 52302, 1939
- Meyer, Mr. and Mrs. Edwin E. (F), 704 E. 32nd St., Davenport, 528-3, 1959, 1976

- Miller, Hilda E., 1211 - 19th Ave., Rock Valley, 51247, 1972
- Miller, Lowell A. and family (F), 714 Oregon, Waterloo, 50702, 1975
- Millikin, Mrs. Forrest G., 1126, Ingleside Dr., S.W., Cedar Rapids, 52404, 1945
- Mooney, Mr. and Mrs. Richard D. (F), 3814 Carpenter Ave., Des Moines, 50311, 1966, 1971
- Morrison, James D., 748 Ridgewood Ave., Davenport, 52803, 1967
- Mosman, Darwin (Dean), 518 S. E. Sharon Dr., Ankeny, 50021, 1973
- Mudge, E. W. Jr., (L), 5926 Averill Way, Dallas, Texas, 75225, 1966
- Muelier, Allan J., 1415 LeClaire St., Davenport, 52803, 1974
- Muilenburg, Ronald W. (S), 33 Hillcrest Ct., Webster City, 50595, 1961
- Murley, Margaret R., 816 Simpson St., Evanston, Ill., 60201, 1964
- Musgrove, J. W., 2414 Adams Ave., Des Moines, 50310, 1938
- Mustain, Mrs. Dale, "River's End", Route 2, Mason City, 50401, 1975
- Myers, Phil (J), Route 2, Pleasantville, 50225, 1976
- McDowell, Jack, Box 528, Vinton, 52349, 1967
- McLane, Jack M., Route 1, Danville, 52623, 1962
- McMahon, F. J. (S), Route 4, Independence, 50644, 1971
- McWilliam, Mr. and Mrs. Wiltse (F), Scotch Acres, Paton, 50217, 1972, 1965
- Nagel, Margaret M., 503 Cutler St., Waterloo, 50703, 1958
- Nearing, Mr. and Mrs. C. Turner (F), 1400 W. Macon St., Decatur, Ill. 62522, 1961, 1975
- Nelson, D. Weir, Jr. and family (F), R.R. No. 1, Ely, 52227, 1975
- Newlon, Mr. and Mrs. Michael C. (F), 408 Usles St., Iowa City, 52240, 1974, 1976
- Newman, John P., Beaverdale Heights, West Burlington, 52655, 1976
- Nicholson, Mrs. Marcia (S), 3662 Ingersoll Ave., Apt. 314, Des Moines, 50312, 1964
- Nickolson, Mr. and Mrs. Robert L., 2314 Helmer St., Sioux City, 51103, 1949, 1960
- Niemann, Mrs. Paul H., 2826 Sunnyside Ave., Burlington, 52601, 1962
- Nissen, William M., M.D., 1127 W. Cedar, Cherokee, 51012, 1974
- Ollivier, Mr. and Mrs. Roy, Box 223, Mt. Pleasant, 52641, 1944, 1973
- Olsen, Mrs. A. Edmund (Harriet), 1521 W. Main St., Marshalltown, 50158, 1975
- Oppedahl, Roberta A. (S), 906 Suburban St., N.E., Cedar Rapids, 52402, 1972
- Osher, Mrs. J. B., 1103 N. Seventh St., Estherville, 51334, 1960
- Osness, Mr. and Mrs. John M., 320 Columbia Circle, Waterloo, 50701, 1960, 1972
- Ott, Mr. and Mrs. John (F), 2718 S. 33rd St., Lincoln, Neb., 68506, 1976
- Palmer, Gail, 42 Lakeview Court, Mason City, 50401, 1975
- Parker, Mrs. Roy (Dorothy), Route 1, Anita, 50020, 1975
- Parsons, Mrs. Robert O., 208 Lake, Sioux Rapids, 50585, 19742
- Payne, Luff E., 337 Woodland Dr., Council Bluffs, 51501, 1972
- Peasley, Mrs. Harold R., 2001 Nash Dr., Des Moines, 50314, 1934
- Peck, Mary E., 3839 Cornell St., Des Moines, 50313, 1957
- Petersen, Mr. and Mrs. Peter C. (S & R), 235 McClellan Blvd., Davenport, 52803, 1952, 1962
- Pettingill, Dr. Olin S. Jr., (L), Wayne, Maine, 04284, 1937
- Phelps, Mrs. Charles (Dorothy), 311 S. East St., Sigourney, 52591, 1965
- Phipps, Mrs. Wayne (Ruth), 310 University, Shenandoah, 51601, 1966
- Pierce, Mr. and Mrs. Fred J. (HC & H), Winthrop, 50682, 1923, 1957
- Polfer, Herman, Route 1, Postville, 52162, 1976
- Prescott, Russell, 1716 W. Lincolnway, Marshalltown, 50158, 1065

- Prince, Herbert M., Route 2, Box 374, Keokuk, 52632, 1963
- Pulis, Lee, Environmental Engineer, Fluor Pioneer, Inc., 200 W. Monroe, Chicago, Ill., 60606, 1976
- Putnam, Mrs. Max and family (F), 3522-38th St., Des Moines, 50310, 1966
- Ralston, Mrs. Leslie, Conrad, 50621, 1975
- Ray, Barbara, 2730 Moyer St., Des Moines, 50310, 1976
- Reckert, Mrs. Robert D., 204 Briar Lane, Rock Rapids, 51246, 1976
- Rector, Harry E., 507 W. 13th, Vinton, 52349, 1942
- Rich, Mrs. Wm. C., Route 2, Clear Lake, 50428, 1976
- Rickert, Jon E., 122 N. Main, Elizabethtown, Kentucky, 42701, 1974
- Rinehart, Mr. and Mrs. Homer, Box 291, Marshalltown, 50158, 1959, 1974
- Rod, Judy K., 4517 Ontario, Ames, 50010, 1976
- Rohm, Mrs. Arnold, 713 Washington St., Dcorah, 52101, 1976
- Rohrbough, Malcolm, 420 Ferson, Ave., Iowa City, 52240, 1966
- Rolenc, Mr. and Mrs. Edward and family (F), 604 E. Henry, Mt. Pleasant, 52641, 1975
- Rosene, Watler, Jr., 127 Oak Circle, Gadsden, Alabama, 35901, 1942
- Ross, Holis T., West Lawn, R.D. 1, Box 81, Lewisburg, Pa. 17837, 1940
- Rouw, Mark, 1202 E. Sheridan, Des Moines, 50316, 1969
- Ruegnitz, Mrs. R. S., 2117 Orchard Drive, Dubuque, 52001, 1942
- Runkel, Sylvan T., 3101 - 45th Street, Des Moines, 50310, 1935
- Ruprecht, Jeanette, Lowden, 52255, 1975
- Sadler, Ernie, Box 193, Route 1, LeClaire, 52753, 1971
- Sauer, Dr. Pauline L., Museum Director, Univ. of N. Iowa, Cedar Falls, 50613, 1965
- Savage, Edward, 612 N. 16th, Marshalltown, 50158, 1969
- Schaufenbuel, Joe (C), St. Lucas, 52166, 1976
- Schlemmer, Conrad F., 310 E. First St., Spencer, 52301, 1973
- Schmidt, Harry C., 6307 Sage Road, Waterloo, 50701, 1953
- Schooley, Mrs. Ted, 209 N. Fellows Ave., Ottumwa, 52501, 1972
- Schramm, Frank H., Box 587, Cliff Road, Burlington, 52601, 1934
- Schwanke, Mrs. Charles (S), 2510 Cottage Row, Cedar Falls, 50613, 1948
- Schwanke, Miss Maxine (S), 2510 Cottage Row, Cedar Falls, 50613, 1958
- Schwartz, Charles, M.D., 1148 Staub Court, N.E., Cedar Rapids, 52402, 1963
- Scott, Frederic R., 115 Kennondale Lane, Richmond, Va. 23226, 1951
- Scott, Mrs. Richard L. (Charlotte), 320 E. Lee, Seymour, 52590, 1968
- Serbousek, Miss Lillian, 1226 Second St., S.W., Cedar Rapids, 52404, 1932
- Silcock, W. Ross, Route 1, Tabor, 51653, 1975
- Silver, Mr. and Mrs. Ralph, 109 S. State St., Lamoni, 50140, 1961, 1956
- Slife, Nancy L., 809 Clair St., Cedar Falls, 50613, 1975
- Sorensen, Mrs. Raymond E., 302 W. Washington, Winterset, 50273, 1967
- Spears, Mrs. Marie, Route 1, Shenandoah, 51601, 1970
- Staudt, Tom, 931 N. Summit, Iowa City, 52240, 1974
- Stauffer, Dean (S), 124 Science II, I.S.U., Ames, 50011, 1976
- Steffen, E. W., 1000 Maplewood Drive, N.E., Cedar Rapids, 52402, 1940
- Steimel, Earl W., 10746 Hammond Ave., Waterloo, 50701, 1975
- Steiner, Robin (J), Woolstock, 50599, 1975
- Stewart, Mrs. Hazel, Conrad, 50621, 1976
- Stone, Larry A., St. Olaf, 52072, 1975
- Stone, Thomas, 1632 Woodmayr, Waterloo, 50703, 1976
- Stoner, Mrs. Lillian C. (L), 125 56th Ave. So., St. Petersburg, Fla., 33705, 1945

- Stravers, Jon, Route 2, Pella, 50219, 1976
- Strawn, Mrs. John T., Jr., Route 1, Vinton, 52349, 1957
- Strickland, Jud W., 413 S. Third St., W., Mt. Vernon, 52314, 1945
- Struchen, Mrs. Louise, 910 4th St., Milford, 51351, 1976
- Sullivan, Fenneth & Terre (F), Route 4, Mason City, 50401, 1976
- Sweet, Mrs. Orrin M., 217 W. 4th St., Aurelia, 51005, 1976
- Swiler, Mrs. Hudson (Margaret), 1800 River St., Burlington, 52601, 1971
- Taylor, James C., 311 Willis Drive, Iowa City, 52240, 1973
- Tetrault, Richard, Box 65, Iowa City, 52240, 1975
- Thompson, Michael, 1002, E. Washington, Council Bluffs, 51501, 1976
- Thompson, Mrs. Mildred W., Route 4, Box 137, Cherokee, 51012, 1976
- Thornburg, M. A., 901 S. Warfield Dr., Mt. Airy, Maryland, 21771, 1974
- Thornton, Mrs. P. C., 326 Otsego St., Storm Lake, 50588, 1951
- Toyne, Mrs. George W., 206 4th Ave. S., Humboldt, 50548, 1952
- Upp, Mrs. Orville T. (Ruth A.), 608 Wildwood Dr., Ottumwa, 52501, 1950
- Van Cleve, G. Bernard, 304 S. Winebiddle St., Pittsburgh, Pa. 15224, 1968
- Vander Streek, Nola (Mrs. Lloyd), 1335 N.W. Drive, Pella, 50219, 1972
- Van Dyk, Dr. John, 942 Second Ave., S.E., Sioux Center, 51250, 1970
- Vane, Dr. and Mrs. Robert F., 2220 Grande Ave., S.E., Cedar Rapids, 52401, 1940, 1946
- Van Liew, Virginia, 3100 Grand Ave., Apt. 4-A, Des Moines, 50312, 1969
- Vasques, Mrs. Frank, 513 Knollwood Dr., S.E., Cedar Rapids, 52403, 1976
- Vaughn, Mary Beth, 201 E. Clarinda, Shenandoah, 51601, 1976
- Walker, Pearle C., 301 Albangy, Ottumwa, 52501, 1943
- Wallace, Mrs. Lynn E., Route 3, Box 9182, Spirit Lake, 51360, 1975
- Walters, Elizabeth L., Route 1, Essex, 51638, 1965
- Ward, Norman, P.O. Box 267, Gilbert, 50105, 1965
- Ware, Richard, 34 Sunset Drive, Jacksonville, Ill., 62650, 1962
- Watson, S. Arthur, Terrace Garden, Apt. P, 1301-25 N.W., Wichita, Kansas, 67203, 1971
- Weaver, Miss Gertrude, S., 1425 Nebraska, Sioux City, 51105, 1946
- Webb, Dr. Morgan C., 1325 S. Newton St., Sioux City, 51106, 1967
- Weelander, Jeff (S), 3351 Sims Drive, Des Moines, 50317, 1973
- Weller, Dr. Milton W., Dept. Ent. Fisheries & Wildlife, U. of Minn., St. Paul, Minn. 55101, 1958
- Wentworth, Mrs. June, Wheatland, 52777, 1975
- Werner, Mr. and Mrs. Charles F (F), 516 Mid Lothian Blvd., Waterloo, 50702, 1976
- Wershofen, Miss Pauline, Pickwick, La Moille, Mn., 55948, 1954
- White, Miss Evelyn Jean, P.O. Box 1340, Carlsbad, Calif. 92008, 1975
- Wiedemeyer, Mrs. Eva B., 1015 N. Adams St., Carroll, 51401, 1975
- Williams, Patricia, Route 1, Hinton, 51024, 1975
- Willis, Miss Myra G., 1224 13th St., N.W., Cedar Rapids, 52405, 1937
- Wilson, Valeria Louise, Route 1, Clinton, 52732, 1973
- Wolden, Mrs. B. O. (Ida), 1127 N. Fifth St., Estherville, 51334, 1939
- Woods, Doyle L., 604 W. Ashland, Indianola, 50125, 1969
- Wuellner, Mrs. Keith A., 1321 Osborn St., Burlington, 52601, 1966
- Wymore, Gary, 847 South Ward, Ottumwa, 52501, 1975
- Young, Lewis C., 19 Blackstone Ave., Sioux City, 51104, 1974
- Young, Dr. Richard A., 820 Second Ave., N.E., Clarion, 50525, 1963
- Zaletal, Mrs. Linda, 952½ Pleasant, Oak Park, Ill., 60302, 1974
- Zihlman, Mrs. John J., 509 S. Fifth St., Fairfield, 52556, 1954

Zimmer, Barry R. (J), 8911 Galena,
El Paso, Texas, 79904, 1974

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50010

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Rapids, 52401

Coe College, Stewart Memorial
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52402

Clinton Public Library, 306 Eighth
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Davenport, 52801

S. F. Parson Library, Northern Ill.
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Order Division, Public Library, 100
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State Library, Historical Bldg., Des
Moines, 50319

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Wahlert Memorial Library, Loras
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St. Cloud State College, Learning
Recources, Periodicals, St. Cloud,
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I.D. Weeks Library, St. Univ. of South
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57069

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Mich., 48197

SOCIETIES

Audubon Naturalist Society of Cedar
Rapids, Cedar Rapids, 52405, 1966

Des Moines Audubon Society, Des
Moines, 50311, 1947

Dubuque Audubon Club, Dubuque,
52001, 1933

Quad City Audubon Society, Putnam
Museum, Davenport, 52804, 1949

CHRISTMAS BIRD COUNTS

The dates for this years Christmas Bird Counts are Dec. 18, 1976 through Jan. 2, 1977. Compilers of last years counts will find a form and rules sheet enclosed with this issue for this years count. The compiler for this year is Dr. Ross Silcock, Route 2, Malvern, Iowa, 51551. All forms must be **TYPED**. If you wish to start a new count or resume an old count contact Dr. Silcock prior to the count period. ed.

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Peter C. Petersen, Editor

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